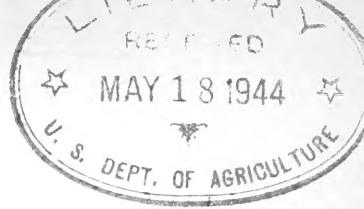


Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

P69C
Cop. 2



Issued November 30, 1908.

U. S. DEPARTMENT OF AGRICULTURE,

BUREAU OF PLANT INDUSTRY—Circular No. 17.

B. T. GALLOWAY, Chief of Bureau.

INDEX TO PAPERS RELATING TO PLANT-INDUSTRY
SUBJECTS IN THE YEARBOOKS OF THE
UNITED STATES DEPARTMENT
OF AGRICULTURE.

PREPARED BY

J. E. ROCKWELL,
EDITOR, BUREAU OF PLANT INDUSTRY.

BUREAU OF PLANT INDUSTRY.

Physiologist and Pathologist, and Chief of Bureau, Beverly T. Galloway.
Physiologist and Pathologist, and Assistant Chief of Bureau, Albert F. Woods.
Laboratory of Plant Pathology, Erwin F. Smith, Pathologist in Charge.
Investigations of Diseases of Fruits, Merton B. Waite, Pathologist in Charge.
Laboratory of Forest Pathology, Haven Metcalf, Pathologist in Charge.
Cotton and Truck Diseases and Plant Disease Survey, William A. Orton, Pathologist in Charge.
Plant Life History Investigations, Walter T. Swingle, Physiologist in Charge.
Cotton Breeding Investigations, Archibald D. Shamel and Daniel N. Shoemaker, Physiologists in Charge.
Tobacco Investigations, Archibald D. Shamel, Wightman W. Garner, and Ernest H. Mathewson, in Charge.
Corn Investigations, Charles P. Hartley, Physiologist in Charge.
Alkali and Drought Resistant Plant Breeding Investigations, Thomas H. Kearney, Physiologist in Charge.
Soil Bacteriology and Water Purification Investigations, Karl F. Kellerman, Physiologist in Charge.
Bionomic Investigations of Tropical and Subtropical Plants, Orator F. Cook, Bionomist in Charge.
Drug and Poisonous Plant Investigations and Tea Culture Investigations, Rodney H. True, Physiologist in Charge.
Physical Laboratory, Lyman J. Briggs, Physicist in Charge.
Crop Technology and Fiber Plant Investigations, Nathan A. Cobb, Crop Technologist in Charge.
Taxonomic and Range Investigations, Frederick V. Coville, Botanist in Charge.
Farm Management Investigations, William J. Spillman, Agriculturist in Charge.
Grain Investigations, Mark Alfred Carleton, Cerealist in Charge.
Arlington Experimental Farm, Lee C. Corbett, Horticulturist in Charge.
Vegetable Testing Gardens, William W. Tracy, sr., Superintendent.
Sugar-Beet Investigations, Charles O. Townsend, Pathologist in Charge.
Western Agricultural Extension Investigations, Carl S. Scofield, Agriculturist in Charge.
Dry-Land Agriculture Investigations, E. Channing Chileott, Agriculturist in Charge.
Pomological Collections, Gustavus B. Brackett, Pomologist in Charge.
Field Investigations in Pomology, William A. Taylor and G. Harold Powell, Pomologists in Charge.
Experimental Gardens and Grounds, Edward M. Byrnes, Superintendent.
Foreign Seed and Plant Introduction, David Fairchild, Agricultural Explorer in Charge.
Forage Crop Investigations, Charles V. Piper, Agrostologist in Charge.
Seed Laboratory, Edgar Brown, Botanist in Charge.
Grain Standardization, John D. Shanahan, Crop Technologist in Charge.
Subtropical Laboratory and Garden, Miami, Fla., P. J. Wester, Gardener in Charge.
Plant Introduction Garden, Chico, Cal., W. W. Tracy, jr., Assistant Botanist in Charge.
South Texas Garden, Brownsville, Tex., Edward C. Green, Pomologist in Charge.
Farmers' Cooperative Demonstration Work, Seaman A. Knapp, Special Agent in Charge.
Seed Distribution (directed by Chief of Bureau), Lisle Morrison, Assistant in General Charge.

Editor, J. E. Rockwell.
Chief Clerk, James E. Jones.

[Cir. 17]

INDEX TO PAPERS RELATING TO PLANT-INDUSTRY SUBJECTS IN THE YEARBOOKS OF THE UNITED STATES DEPARTMENT OF AGRICULTURE.

EXPLANATORY STATEMENT.

The index following is intended primarily to cover the subjects referred to in the 65 papers contributed by the Bureau of Plant Industry since its organization, on July 1, 1901, to the Yearbooks of the United States Department of Agriculture and afterwards reprinted in separate form.

In order to make this index more satisfactory and complete, however, it has been deemed desirable to include with it a title index to papers relating to plant-industry subjects printed in the Yearbooks issued prior to the organization of the Bureau of Plant Industry. These title entries are therefore inserted with the others, but are distinguished from them by the use of smaller type. For a complete subject index to these earlier papers and all others issued in Yearbooks prior to 1901 the reader is referred to Bulletin No. 7 of the Division of Publications, entitled "Index to the Yearbooks of the United States Department of Agriculture, 1894-1900," by Charles H. Greathouse.

All of the papers contributed to the Yearbooks which have been reprinted in separate form for gratuitous distribution are indicated (1) by the number assigned to each such paper, known as a "Yearbook Extract" or "Yearbook Separate," by the Document Section of the Division of Publications, followed (2) by the year showing the particular Yearbook in which the article referred to appeared and (3) by the numbers of the pages on which the specified matter will be found.

Many of the earlier Yearbook papers are now out of print in separate form. Those separates that are now available for distribution^a

^a The stock of free publications on hand at the Department of Agriculture is constantly changing, the editions being exhausted from time to time but reprinted when required.

At the time of going to press (November, 1908) the following papers upon plant-industry subjects printed in the Yearbooks may be obtained in separate form from the Department of Agriculture upon request: Nos. 20, 27, 28, 47, 50, 85, 87, 90, 128, 151, 157, 176, 195, 203, 206, 208, 211, 215, 217, 220, 222, 262, 266, 278, 279, 283, 291, 293, 314, 317, 320, 321, 326, 330, 340, 343, 356, 361, 377, 383, 387, 401, 419, 422, 427, 429, 446, 450, 453, 456, 459, 461, 463.

will be sent free of cost upon application to the Secretary of Agriculture and may be designated by using the specific numbers assigned to the extracts wanted; thus "YB 340" is a sufficient indication that a copy is desired of Yearbook Extract No. 340, issued in the Yearbook for 1904, entitled "Opportunities in Agriculture. I. Growing Crops under Glass. II. Fruit Growing. III. General Farming."

It is hoped that this index will prove a convenient key to the vast storehouses of information on plant subjects contained in the series of Yearbooks of the Department of Agriculture, of which the fourteenth volume has only recently come from the press.

SEPTEMBER 25, 1908.

[Cir. 17]

INDEX.

NOTE.—Wherever a subject is treated throughout an entire paper, the word *paper* is added to indicate this fact except in the cases of papers issued prior to 1901, all such entries covering entire papers only.

A

	Year-	Extract.	book.	Page.
Acetic acid made from grape pomace.....	354	1904		378
Additional notes on seed testing.....	98	1897		441-452
Additions, some, to our vegetable dietary.....	41	1895		205-214
Advance loquat, history and description.....	229	1901		391-392
Agricultural experiments in Alaska.....	142	1898		515-524
outlook of the coast of Alaska.....	106	1897		553-576
seeds—where grown and how handled, <i>paper</i>	238	1901		233-256
Agriculture, Department, new citrus and pineapple produc-				
tions, <i>paper</i>	427	1906		329-346
fruit productions, <i>paper</i>	383	1905		275-290
development, relation of plant physiology, <i>paper</i>	336	1904		119-132
in Porto Rico.....	151	1898		505-514
the United States, progress.....	179	1899		307-334
opportunities, <i>paper</i>	336	1904		161-190
potash and its function.....	71	1896		107-136
soil ferments important.....	35	1895		69-102
training necessary for investigator and teacher.....	336	1904		129-131
tropical islands of the United States, <i>paper</i>	242	1901		349-368
mistakes.....	242	1901		352
Agrostology, Division.....	90	1897		160-175
economic and scientific, progress.....	176	1899		347-366
Aiken apple, history and description.....	330	1903		268-269
Alabama and Mississippi, diversified farming, <i>paper</i>	377	1905		201-207
Alaska, agricultural experiments.....	142	1898		515-524
coast, agricultural outlook.....	106	1897		553-576
Alfalfa, factor of success in potato culture.....	349	1904		312-313
in cotton-growing region.....	363	1904		505
on sheep farm.....	278	1902		361-362
seeds.....	238	1901		240-241
Alfilaria, seeds.....	238	1901		252
Algæ, blue-green, in water supplies.....	262	1902		178-181
contamination of public water supplies, <i>paper</i>	262	1902		175-186
prevention in water supplies.....	262	1902		184-185
Alkali lands in Egypt, reclamation, <i>paper</i>	291	1902		573-588
origin, value, and reclamation.....	35	1895		103-122
soils, forage plants for cultivation.....	129	1898		535-550
Alley pecan, history and description.....	429	1906		366-367
Alligator pear. <i>See</i> Avocado.				
Almond, Jordan, history and description.....	283	1902		479-480

		Year-	Extract.	book.	Page.
Alsike clover, seed.....		238	1901		239
America, North, geographic distribution of animals and plants.....		9	1894		203-214
relationship of fruits to those of eastern Asia.....		21	1894		437-442
American lemon industry, status, <i>paper</i>	wormseed. <i>See</i> Wormseed, American.	453	1907		343-360
AMES, ADELINE, and WILLIAM ALLEN ORTON, paper entitled					
"Plant diseases in 1907".....		467	1907		577-589
Animals and plants in North America, geographic distribution.....		9	1894		203-214
improvement, use of inbreeding.....		389	1905		379-381
Anise, experiments in cultivation.....		325	1903		346
Apple, Aiken, history and description.....		330	1903		268-269
Bloomfield, history and description.....		356	1904		399-400
Carson, history and description.....		399	1905		496-497
culture, commercial, relation of cold storage, <i>paper</i>		317	1903		225-238
Delicious, history and description.....		450	1907		305-307
diseases and insects.....		230	1901		603-604
Doctor, history and description.....		356	1904		400-402
Ensee, history and description.....		450	1907		305-307
growing, sections suitable.....		230	1901		594
sites and soils suitable.....		230	1901		594-595
Hiley, history and description.....		330	1903		271-272
industry, present status.....		317	1903		225-226
Ingram, history and description.....		229	1901		382-383
insects and diseases.....		230	1901		603-604
McIntosh, history and description.....		229	1901		383-385
Magnate, history and description.....		429	1906		355-357
Oliver Red, history and description.....		429	1906		357-358
orcharding, commercial, <i>paper</i>		230	1901		593-608
Perry, history and description.....		330	1903		270-271
Rabun, history and description.....		429	1906		359-360
Randolph, history and description.....		283	1902		472-473
scald.....		317	1903		232-233
Stayman Winesap, history and description.....		283	1902		470-472
sugar. <i>See</i> Sugar-apple.					
trade, influence of cold storage.....		317	1903		236
trees, bearing, top-working.....		266	1902		255-256
cultivation.....		230	1901		599-601
preparation for planting.....		230	1901		595-596
pruning.....		230	1901		601-603
Virginia Beauty, history and description.....		399	1905		495-496
Apples, advantages of local storage house.....		317	1903		234
and raspberries combined, cultivation.....		246	1901		441-443
cold storage, relation to commercial culture, <i>paper</i>		317	1903		225-238
conditions influencing keeping quality.....		317	1903		230-235
handling and marketing.....		230	1901		605-608
importance of storing promptly after picking.....		317	1903		233-234
influence of cold storage in extending markets.....		317	1903		236-237
keeping quality, influence of environment.....		317	1903		234-235
marketing methods.....		317	1903		226-227
storage, magnitude of business.....		317	1903		228-229
suggestions for improving color.....		317	1903		231-232
sun scald.....		266	1902		246-247
supply and demand, relation.....		317	1903		227-228

	Extract.	Year-book.	Page.
Apples, temperature for keeping in storage.....	317	1903	230-231
time to pick for cold storage.....	317	1903	231
varieties for commercial purposes.....	230	1901	596-599
value, influence of cold storage.....	317	1903	235-236
Arid region of United States, conditions in soils.....	29	1894	155-164
See also Semiarid regions.			
Arkansas, diversified farming.....	377	1905	207-212
Arlington Experimental Farm, testing gardens for plant introductions.....	384	1905	298
Art of seed selection and breeding, <i>paper</i>	446	1907	221-236
Ash trees for home place.....	284	1902	511
Ashes, coal, for carnations.....	290	1902	562
Asia, eastern, relationship of fruits to those of America.....	21	1894	437-442
Asparagus for truck farming.....	459	1907	433
new rust-resistant, development.....	441	1907	141-142
Atlantic Coast States, truck farming.....	459	1907	425-434
seaboard, truck lands.....	28	1894	129-143
Avocado as a promising fruit crop.....	394	1905	439-444
budding.....	394	1905	441-443
Chappelow, history and description.....	429	1906	363-365
description of fruit and possibilities of market.....	242	1901	354
marketing.....	394	1905	443-444
orchards, extent.....	394	1905	444
propagation.....	394	1905	441
Trapp, history and description.....	399	1905	508-510
uses.....	394	1905	440-441

B

Bacilli, varieties present in soils.....	411	1906	128-130
See also Bacteria.			
Bacteria and the nitrogen problem, <i>paper</i>	277	1902	333-342
cultures, distribution and methods of use.....	277	1902	341-342
distribution of inoculated soil.....	411	1906	134-135
inoculation of soil.....	277	1902	339-340
improved method.....	277	1902	340-341
pure cultures.....	411	1906	135
nitrogen-gathering.....	277	1902	336-337
336	1904	123-125	
root-nodule, value.....	411	1906	132-135
varieties and efficiency.....	411	1906	133-134
soil, chemical function.....	411	1906	128
fixation of atmospheric nitrogen.....	411	1906	130-132
tubercles.....	277	1902	337-338
effect.....	277	1902	338-339
microscopic appearance.....	277	1902	338
See also Bacilli and Nitrogen.			
Bags for saving tobacco seed.....	358	1904	448-449
BAILEY, LIBERTY HYDE:			
Paper entitled "Sketch of the relationship between American and eastern Asian fruits".....	21	1894	437-442
" The improvement of our native fruits".....	77	1896	297-304
Banana, importance of <i>crop</i> in Porto Rico, etc.....	242	1901	354-355
Banner grape, history and description.....	429	1906	361-362
Bark disease of chestnut.....	463	1907	489-490

	Extract.	Year-book.	Page.
Barley, Chevalier, introduction into America, cost.....	384	1905	294
industrial progress and improvement of crop.....	264	1902	225
Barnyard grass in Egypt.....	291	1902	580-582
Beans for truck farming.....	459	1907	433
velvet, in peach orchards.....	293	1902	617-618
seeds.....	238	1901	242-243
Beef production in cotton belt.....	377	1905	210
Southern States, opportunities.....	340	1904	189-190
Beet-sugar industry, production and future possibilities.....	320	1903	410
manufacture, utilization of residues in cattle feeding.....	137	1898	213-220
production, methods of reducing the cost, <i>paper</i>	422	1906	265-278
Beets, sugar, care and cultivation.....	320	1903	405-407
cost of production one hundred years ago.....	422	1906	265
cultivating.....	422	1906	276
destroying weeds.....	422	1906	277-278
growing and siloing seed roots.....	351	1904	350-351
cost.....	422	1906	268-278
labor, cost.....	422	1906	269-270
reducing.....	422	1906	274
necessary.....	320	1903	407-408
sources of supply.....	422	1906	270-274
profit and loss.....	320	1903	408-409
yields and future possibilities.....	320	1903	410
harvesting.....	320	1903	407
hoeing.....	422	1906	276-277
importance of growing seed at home.....	351	1904	343-344
improvement.....	422	1906	266-268
increasing size.....	422	1906	266-267
sugar content.....	351	1904	341-342
irrigation.....	422	1906	267-268
location of land for profitable growing.....	320	1903	405-406
planting.....	320	1903	402-403
practices of successful growers.....	320	1903	405
preparation of soil.....	320	1903	400-401
production of single-germ seed.....	320	1903	404-405
relation to general farming, <i>paper</i>	422	1906	275
seed.....	320	1903	399-410
American-grown, excellence.....	238	1901	252-255
breeding, <i>paper</i>	351	1904	344
effects of soil and environment.....	351	1904	341-352
foreign-grown.....	351	1904	347-348
methods of production.....	351	1904	342-343
steps in scientific growing.....	351	1904	344-347
testing character.....	351	1904	348-349
work in improving.....	351	1904	351-352
siloing seed roots	351	1904	350-351
silos.....	422	1906	278
soil suitable for production.....	320	1903	401-402
thinning.....	422	1906	275
and weeding.....	320	1903	348-349

	Extract.	Year-book.	Page.
Beets, sugar, transportation to factory.....	422	1906	277
value of land for growing.....	422	1906	268-269
yield to acre.....	320	1903	399
Beggarweed, seeds.....	238	1901	242-243
Belladonna, cultivation experiments.....	325	1903	345-346
in United States.....	401	1905	538-539
Belle peach, history and description.....	283	1902	475-476
Berseem in Egypt.....	291	1902	585-586
BESSEY, ERNST ATHEARN, and HERBERT JOHN WEBBER, paper entitled "Progress in plant breeding in the United States".....	182	1899	465-490
Binders, sand and soil, grasses.....	20	1894	421-436
Biscayne pineapple, history and description.....	427	1906	345-346
Blight, pear, cause and prevention.....	50,57	1895	295-300
Bloomfield apple, history and description.....	356	1904	399-400
Bluegrass, Kentucky and Texas, crosses.....	441	1907	145-146
seeds.....	238	1901	245-246
on live-stock farm.....	278	1902	356-357
Boll weevil, cotton, work of Bureau of Plant Industry in meeting ravages, <i>paper</i>	363	1904	497-508
Bordeaux mixture, fungicidal value.....	336	1904	126-127
Botany, Division.....	97	1897	90-99
BRACKETT, GUSTAVUS BENSON:			
Paper entitled "Commercial apple orcharding".....	230	1901	593-608
"Utilizing surplus fruits".....	146	1898	309-316
Brandy and wine manufacture.....	281	1902	416-417
production.....	354	1904	374
Bread made from macaroni wheat.....	326	1903	335
Breeder, plant, character, qualifications, and methods of work.....	446	1907	230-233
importance of expert knowledge of plants.....	446	1907	234
limits of effort.....	446	1907	233
necessity for continuous work.....	446	1907	233-234
Breeders, plant, organized effort necessary.....	446	1907	235-236
Breeding and seed selection, art, <i>paper</i>	446	1907	221-236
selection, cotton.....	363	1904	498-502
tobacco, <i>paper</i>	358	1904	435-452
art and science.....	446	1906	223-224
cotton, experiments.....	363	1904	501-502
for sparse foliage and hairiness.....	363	1904	501
improved varieties.....	314	1903	130-132
fields for art.....	446	1907	224-230
new citrus fruits, <i>paper</i>	343	1904	221-240
lettuces.....	441	1907	139-141
tobacco varieties.....	431	1906	387-404
plant, hybrids and their utilization.....	124	1897	383-420
improvement by selection.....	159	1898	355-376
progress in the United States.....	182	1899	465-490
See also "Influence of environment on the origination of plant varieties."			
plants, <i>paper</i>	389	1905	377-392
history, etc.....	336	1904	120-122
purposes.....	446	1907	224
sugar-beet seed, <i>paper</i>	351	1904	341-352
Brewer Hybrid tobacco, history and description.....	431	1906	393-395

	Extract.	Year-book.	Page.
BRIGGS, LYMAN JAMES, paper entitled "The movement and retention of water in soils".....	152	1898	399-404.
Brittlewood plum, history and description.....	283	1902	477-478
BRODIE, DAVID ARTHUR, paper entitled "Diversified farming in Louisiana, Arkansas, and northeastern Texas".....	377	1905	207-212
Brome-grass, beardless, seeds.....	238	1901	246-247
Broom corn, seeds.....	238	1901	252
Buckwheat, seeds.....	238	1901	236
Budding, avocado.....	394	1905	441-443
orchard trees.....	266	1902	245-258
stock.....	266	1902	250-251
Bulb growing and trial grounds.....	384	1905	303-305
Bulbs, Easter lily, production.....	384	1905	304
Bur clover, seeds.....	238	1901	240
Burdock, growing in United States.....	401	1905	536
Bureau of Plant Industry, progress in some new work, <i>paper</i> ...	441	1907	139-148
"project," basis for investigations...	441	1907	139
work in meeting the ravages of the boll weevil and some diseases of cotton, <i>paper</i>	363	1904	497-508
Business of seed and plant introduction and distribution, <i>paper</i>	384	1905	291-306
Butter, grape, how to make.....	354	1904	376
trade, fancy, opportunities for developing.....	340	1904	184-185
Buttermilk production.....	340	1904	185

C

Cabbages for truck farming.....	459	1907	428-429
Cacao, importance of crop and possibilities in the Philippines and Porto Rico.....	242	1901	355-356
Calcium in the soil, function.....	225	1901	162
California grape culture, present condition.....	147	1898	551-562
lemon industry, status, <i>paper</i>	453	1907	343-360
shipments, distribution throughout year, rates for transportation, etc.....	453	1907	346-348
mountain ranges, seeding.....	419	1906	232
Camphor, cultivation in United States.....	401	1905	537-538
possibility of growing in the Philippines and Porto Rico.....	242	1901	356
Can perfumery farming succeed in the United States?	135	1898	377-398
Canada field peas, seeds.....	238	1901	242
Canadian field peas.....	59	1895	223-232
Capsicum, experiments in cultivation.....	325	1903	344
Caraway, experiments in cultivation.....	325	1903	346
Carbon, assimilation in plant nutrition.....	225	1901	174-175
Cardinal strawberry, history and description.....	330	1903	277-278
CARLETON, MARK ALFRED:			
Paper entitled "Improvement in wheat culture"	86	1896	489-498
"Successful wheat growing in semiarid districts"	195	1900	529-542
Carman peach, history and description.....	229	1901	385-386
Carnations, etc., growing under glass.....	340	1904	167-168
growing in coal ashes.....	290	1902	562
soil	290	1902	561-562

	Year-	Extract.	book.	Page.
Cars, fruit, cooling from cold-storage plant.....	387	1905		359
with fan.....	387	1905	359-360	
time required for cooling.....	387	1905		360
refrigerator, for fruit transportation, conditions.....	387	1905	356-357	
Carson apple, history and description.....	399	1905	496-497	
Cascara sagrada, growing in United States.....	401	1905	534-535	
Cassava, importance of crop in Tropics.....	242	1901	356-357	
Catalpa, hardy, for home place.....	284	1902		512
Cattle, beef, production in Alabama and Mississippi.....	377	1905	205-206	
Southern States, opportunities.....	340	1904	189-190	
feeding, utilization of residues in beet-sugar manufacture.....	137	1898	213-220	
on live-stock farm.....	278	1902	357-358	
<i>See also</i> Stock, live, and Ranges.				
Cause and prevention of pear blight.....	50,57	1895		295-300
Celery for truck farming.....	459	1907		432
Centennial pecan, history and description.....	356	1904	407-408	
Cereals, diseases in 1904.....	367	1904	585-586	
1905.....	409	1905	608-609	
1906.....	437	1906	505-506	
1907.....	467	1907	585-586	
industrial progress and improvement of crop.....	264	1902	219-227	
seeds.....	238	1901	235-236	
Ceriman as a promising fruit crop.....	394	1905	450-451	
cultivation.....	394	1905		451
Champagne, brandy, and wine manufacture.....	281	1902	416-417	
Chappelow avocado, history and description.....	429	1906	363-365	
Chayote, importance of crop in Porto Rico, etc.....	242	1901		357
Check-rower used for planting corn.....	310	1903		187
Cheese manufacture in Southern States, opportunities for developing.....	340	1904	187-189	
Cherry, Lambert, history and description.....	450	1907	307-309	
CHESNUT, VICTOR KING:				
Paper entitled "Some common poisonous plants".....	67	1896		137-146
" Some poisonous plants of the northern stock ranges"	206	1900		305-324
Chestnut, bark disease.....	463	1907	489-490	
horse, for home place.....	284	1902	512-513	
Chickens. <i>See</i> Poultry.				
Chlorin a food?.....	225	1901		166
Chrysanthemums, composts.....	290	1902	562-563	
feeding.....	290	1902	564-566	
liquid manures.....	290	1902	563-564	
roses, etc., growing under glass.....	340	1904	167-168	
Cinchona, importance of crop	242	1901		357
Cities and towns, weeds.....	134	1898		193-200
Citrangle, Colman, history and description.....	427	1906	331-333	
Morton, history and description.....	383	1905	276-278	
Rusk, history and description	343	1904	228-229	
Rustic, history and description.....	427	1906	334-336	
Savage, history and description.....	427	1906	333-334	
Willits, history and description.....	343	1904	229-231	
Citranges, new citrus fruits, descriptions.....	343	1904	227-235	
hardiness.....	343	1904	231-233	
value.....	343	1904	234-235	

12 INDEX TO PAPERS ON PLANT SUBJECTS IN YEARBOOKS.

		Year- Extract. book.	Page.
Citrus and pineapple productions, new, of Department of Agriculture, <i>paper</i>	427	1906	329-346
creations, new, of Department of Agriculture, <i>paper</i>	343	1904	221-240
fruits, hardy, production.....	343	1904	223-227
history of new creations.....	343	1904	221-223
methods of propagating.....	85	1896	471-488
new tangelos, development and descriptions.....	343	1904	235-237
general qualities.....	343	1904	239-240
uses.....	343	1904	237
CLARK, JAMES MAXWELL, paper entitled "Potato culture near Greeley, Colorado".....	349	1904	311-322
Climate and soil for tobacco.....	358	1904	437-439
Clover and timothy on live-stock farm.....	278	1902	356
bur, seeds.....	238	1901	240
crimson, in peach orchards.....	293	1902	616
Egyptian. <i>See</i> Berseem.			
plant, analysis.....	225	1901	156
red, seed.....	238	1901	238-239
sweet, seed.....	238	1901	240
Clovers, hybrid, development.....	441	1907	146-147
seeds.....	238	1901	236-243
grading and sampling.....	238	1901	237
Coast, Alaska, agricultural outlook.....	106	1897	553-576
South Atlantic, diversified farming, <i>paper</i>	377	1905	193-200
Coca, importance of crop and possibility of growing in Porto Rico, etc.....	242	1901	357
Cocoanut, importance of crop in Porto Rico, etc.....	242	1901	358
Coffee, importance of crop in the Philippines, Porto Rico, etc.	242	1901	358-359
trees, Kentucky, for home place.....	284	1902	513
Cold, effect on trees.....	463	1907	486-487
storage plant, cooling fruit in cars.....	387	1905	359
Colman citrange, history and description.....	427	1906	331-333
Commercial apple orcharding, <i>paper</i>	230	1901	593-608
growing of plants under glass, progress.....	191	1899	575-590
pear culture.....	215	1900	369-396
plant introduction.....	203	1900	131-144
Composts for chrysanthemums.....	290	1902	562-563
Coneflower, purple, growing in United States.....	401	1905	535
Congressional distribution of vegetable and flower seeds. <i>See</i> Distribution, Congressional.			
Connecticut, tobacco soils.....	27	1894	143-155
Contamination of public water supplies by algæ, <i>paper</i>	262	1902	175-186
COOK, ORATOR FULLER:			
Paper entitled "Agriculture in the tropical islands of the United States".....	242	1901	349-368
"Guatemala".....	361	1904	475-488
Cooley Hybrid tobacco, history and description.....	431	1906	395-397
Copper in water supplies.....	262	1902	185
<i>See also</i> Algæ, Reservoirs, and Water supplies.			
Coquina pineapple, history and description.....	427	1906	341-342
CORBETT, LEE CLEVELAND:			
Paper entitled "Plants as a factor in home adornment".....	284	1902	501-518
"The home fruit garden".....	246	1901	431-446
"Truck farming in the Atlantic Coast States".	459	1907	425-434

	Year-	Extract. book.	Page.
Coriander, experiments in cultivation.....	325	1903	346
Corn a wind-pollinated plant.....	287	1902	541-542
absorption of rainfall.....	310	1903	179-180
cultivation, <i>paper</i>	310	1903	175-192
in cotton belt.....	377	1905	207-208
cultivators.....	310	1903	190-192
depth and methods of planting.....	310	1903	185-188
of cultivation.....	310	1903	189
plowing necessary.....	310	1903	183-184
distance apart for planting.....	310	1903	187-188
fall plowing.....	310	1903	183
fertilizers and crop rotation.....	310	1903	181-183
frequency of cultivation.....	310	1903	189-190
growing, soil too poor for profit.....	310	1903	177-178
importance of retaining soil moisture.....	310	1903	180-181
thorough early cultivation.....	310	1903	188-189
improvement by seed selection, <i>paper</i>	287	1902	539-552
of seed patch.....	287	1902	548-549
stalk, ear, and kernel in selecting seed.....	287	1902	542-544
inbreeding, detrimental effect.....	389	1905	388-391
industrial progress and improvement of crop.....	264	1902	220-221
keeping seed through winter.....	287	1902	550-551
on live-stock farm.....	278	1902	355-356
sheep farm.....	278	1902	362-363
origination of new varieties.....	446	1907	230
planting.....	310	1903	184-188
possibility of increasing yield and quality.....	287	1902	539-541
prevention of soil washing.....	310	1903	178-180
production in United States.....	310	1903	175-177
seed, time and manner of selecting.....	287	1902	549-550
seeds.....	238	1901	235-236
stover, feeding value.....	76	1896	353-360
type of ears in making selections.....	287	1902	545-547
kernels in making selections.....	287	1902	547
stalk in making selections.....	287	1902	544-545
Cost of producing beet sugar, methods of reducing, <i>paper</i>	422	1906	265-278
Cotton, Allen Improved, description.....	314	1903	126-127
belt, diversified farming, <i>paper</i>	377	1905	193-218
boll weevil, work of the Bureau of Plant Industry in			
meeting ravages, <i>paper</i>	363	1904	497-508
breeding and selection.....	363	1904	498-502
experiments.....	363	1904	501-502
for sparse foliage and hairiness.....	363	1904	501
Commander, history and description.....	314	1903	128
Cook, history and description.....	314	1903	128
cultivation in Louisiana, Arkansas, and northeastern			
Texas.....	377	1905	209
methods.....	314	1903	132-134
culture in Guatemala, <i>paper</i>	361	1904	475-488
diseases, studies.....	363	1904	502-503
work of the Bureau of Plant Industry in			
meeting, <i>paper</i>	363	1904	497-508

	Year-	Extract.	book.	Page.
Cotton, early big-boll selections.....	363	1904	499-500	
varieties, breeding.....	363	1904	499	
defects.....	363	1904	499	
distribution.....	363	1904	507-508	
Egyptian, importation and use.....	321	1903	389-390	
farmers' institute work.....	363	1904	508	
Griffin, history and description.....	314	1903	127-128	
grown in rotation.....	377	1905	202-203	
improvement by seed selection, <i>paper</i>	279	1902	365-386	
improvements desired.....	279	1902	379-386	
in Egypt.....	291	1902	586-587	
India, description, importation, and use.....	321	1903	390	
JOHN STORRS, paper entitled "Range management"....	419	1906	225-238	
Kekchi, characters.....	361	1904	486-487	
in Guatemala, <i>paper</i>	361	1904	475-488	
King variety, new early types.....	363	1904	499	
marketing.....	314	1903	135-136	
Moon, history and description.....	314	1903	128	
Peeler, history and description.....	314	1903	129	
Peruvian, description, importation, and use.....	321	1903	390	
picking, ginning, and baling.....	314	1903	134-135	
progress in improvement.....	264	1902	228-230	
proliferation.....	361	1904	487	
region, growing of alfalfa and forage crops.....	363	1904	500-502	
truck farming.....	363	1904	505	
resistance to weevil.....	361	1904	487	
Sea Island, description, production, and use.....	321	1903	389	
seed distribution.....	384	1905	295-296	
selection.....	314	1903	131-132	
used for crop.....	238	1901	249-250	
selection to adapt to soil and climate.....	279	1902	381-382	
control season of maturing.....	279	1902	381	
increase length of staple.....	279	1902	378-380	
yield.....	279	1902	379	
secure disease resistance.....	279	1902	382-385	
storm resistance.....	279	1902	385-386	
strength of fiber.....	279	1902	381	
uniformity in length of fiber.....	279	1902	380	
Southern Hope, history and description.....	314	1903	129	
staple, length.....	314	1903	121-123	
Sunflower, history and description.....	314	1903	129	
tropical, investigations.....	363	1904	502	
varieties, improved.....	314	1903	130-132	
miscellaneous.....	314	1903	129-130	
variety tests.....	363	1904	498-499	
Cottons, American Upland, description, production, and use....	321	1903	388-389	
origin.....	361	1904	476-477	
long-staple Upland, extension of cultivation.....	314	1903	123-124	
growing.....	314	1903	121-136	
introduction.....	314	1903	124-126	
varieties.....	314	1903	126-130	

	Year-	Extract.	book.	Page.
Cottons, varieties, production and use.....		321	1903	388-390
COVILLE, FREDERICK VERNON:				
Paper entitled "Division of Botany".....	97	1897		90-99
" Some additions to our vegetable dietary".....	41	1895		205-214
Cowpeas, development of new varieties.....	441	1907		147-148
in peach orchards.....	293	1902		617-618
seeds.....	238	1901		241-242
(<i>Vigna catjang</i>).....	61	1896		287-296
Cows, feed.....	340	1904		183
on model farm.....	323	1903		365-368
milk production.....	340	1904		183
Creations, new citrus, of Department of Agriculture, <i>paper</i>	343	1904		221-240
Cress beds, algae present.....	262	1902		178
Crimson clover, seeds.....	238	1901		240
Crocker pear, history and description.....	399	1905		497-498
Crop, hay, lack of annual, in middle latitudes.....	456	1907		388-389
production, relation of soils.....	5	1894		129-164
rotation and fertilizers for corn.....	310	1903		181-183
single, disadvantages of system, <i>paper</i>	377	1905		193-200
tobacco, possible improvements in yield and quality.....	358	1904		442-447
Cropping systems for stock farms, <i>paper</i>	456	1907		385-398
Crops, acreage needed on dairy farm of 60 acres.....	456	1907		394-395
to support stock on northern dairy farm.....	456	1907		393
adaptation to climatic and soil conditions.....	446	1907		224-227
cover, in peach orchards.....	293	1902		615-619
diversification, growing.....	363	1904		503-505
examples of simple and complex rotations.....	456	1907		386-388
field, diseases in 1905.....	409	1905		606-608
1906.....	437	1906		502-505
1907.....	467	1907		581-585
forage, diseases in 1905.....	409	1905		609-610
1906.....	437	1906		506
1907.....	467	1907		586
introduction and distribution.....	384	1905		302-303
grown in truck farming.....	459	1907		427
improvement by seed selection and breeding, <i>paper</i>	446	1907		221-236
leguminous forage.....	92	1897		487-508
lemon, handling.....	453	1907		357-360
production of uniform varieties.....	446	1907		227-229
promising, for Porto Rico and the Philippines.....	242	1901		353-368
rotation defined.....	456	1907		385-386
soiling, on model dairy farm.....	323	1903		365-368
special, fertilizers, <i>paper</i>	290	1902		553-572
truck, in cotton belt.....	377	1905		196
methods of handling.....	459	1907		427
under glass, opportunities in growing, <i>paper</i>	340	1904		161-169
used in the reclamation of alkali lands in Egypt, <i>paper</i>	291	1902		573-588
vegetable, diseases in 1906.....	437	1906		502-505
1907.....	467	1907		581-585

See also Diseases.

CROSBY, MATT A., paper entitled "Diversified farming in Alabama and Mississippi"	377	1905	201-207
Crossbreeding of plants, benefits.....	389	1905	378

16 INDEX TO PAPERS ON PLANT SUBJECTS IN YEARBOOKS.

	Extract.	Year-book.	Page.
Crosses, Texas and Kentucky bluegrasses.....	441	1907	145-146
Crossing tobacco varieties, improvements obtained.....	358	1904	452
Cuban tobacco, Hazlewood, history and description.....	431	1906	392-393
Cucumbers for truck farming.....	459	1907	428
growing under glass.....	340	1904	165-166
Cultivation and fertilization of peach orchards, <i>paper</i>	293	1902	607-626
beets, sugar.....	422	1906	276
belladonna.....	401	1905	538-539
burdock.....	401	1905	536
camphor.....	401	1905	537-538
cascara sagrada.....	401	1905	534-535
coneflower, purple.....	401	1905	535
corn, <i>paper</i>	310	1903	175-192
frequency.....	310	1903	189-190
proper depth.....	310	1903	189
cotton.....	314	1903	132-134
dock, yellow.....	401	1905	536
drug plants in the United States, <i>paper</i>	325	1903	337-346
progress, <i>paper</i>	401	1905	533-540
foxglove.....	401	1905	539
goldenseal.....	401	1905	534
jimson weed.....	401	1905	535-536
licorice.....	401	1905	538
peppers.....	401	1905	539-540
plants for home adornment.....	284	1902	517-518
pokeroot.....	401	1905	536
poppy, Asiatic.....	401	1905	536-537
potatoes.....	349	1904	317
snakeroot, Seneca.....	401	1905	535
soil, reasons.....	32, 35	1895	123-130
wormseed, American.....	401	1905	535
Cultivators for corn, kinds.....	310	1903	190-192
Culture of wheat, improvement.....	86	1896	489-498
Curing and storing lemons.....	453	1907	358-359
lemons, essentials.....	453	1907	360
Currant, Perfection, history and description.....	356	1904	404
Currents and strawberries with grapes, cultivation.....	246	1901	440-443
Curtis pecan, history and description.....	429	1906	368

D

DABNEY, JOHN CHARLES, and GILBERT HENRY HICKS, paper entitled "The superior value of large, heavy seed".....	69	1896	305-322
Dade pineapple, history and description.....	427	1906	340-341
Dahlia, new summer-blooming, development.....	441	1907	144-145
Dairy and farm, succulent forage.....	190	1899	613-626
business, opportunities.....	340	1904	182-184
farm in a middle latitude, system of feeding	456	1907	394-395
model, <i>paper</i>	323	1903	363-370
northern, acreage of crops needed to support stock...	456	1907	393
system of feeding.....	456	1907	392-393
rotations.....	456	1907	386-388
sixty-acre, acreage of various crops needed.....	456	1907	394-395
successful.....	278	1902	359-360

		Year- book.	Page.
Dairying in Alabama and Mississippi.....		377	1905
cotton belt.....		377	1905
Damson plums, histories and descriptions.....		399	1905
Date gardens, Arizona and California.....		384	1905
palm and its culture.....		218	1900
promising crop for Arizona and California.....		242	1901
Dates, value of imports.....		384	1905
Decay of organic matter.....		411	1906
Deliciosa pineapple, history and description.....		427	1906
Delicious apple, history and description.....		450	1907
Delmas pecan, history and description.....		429	1906
persimmon, history and description.....		356	1904
Demonstration farms, cooperative.....		363	1904
Department of Agriculture, new citrus and pineapple produc- tions, <i>paper</i>		427	1906
creations, <i>paper</i>		343	1904
fruit productions, <i>paper</i>		383	1905
Development of the trucking interests.....		217	1900
DEWEY, LYSTER HOXIE:			
Paper entitled "Migration of weeds".....		70	1896
"Principal commercial plant fibers".....		321	1903
"The hemp industry in the United States".....		254	1901
"Two hundred weeds: How to know them and how to kill them".....		52	1895
"Weeds in cities and towns".....		134	1898
Diatomaceæ in water supplies.....		262	1902
Dietary, vegetable, some additions.....		41	1895
Dineba in Egypt.....		291	1902
Disease and health of orange as affected by fertilization of soil.....		8	1894
pear-blight, cause and prevention.....		50, 57	1895
Diseases, cereals, in 1906.....		437	1906
1907.....		467	1907
cotton, studies.....		363	1904
fiber plants, in 1906.....		437	1906
1907.....		467	1907
forage crops, in 1906.....		437	1906
1907.....		467	1907
fruits, pome, in 1906.....		437	1906
1907.....		467	1907
small, in 1906.....		437	1906
1907.....		467	1907
stone, in 1906.....		437	1906
1907.....		467	1907
tropical, in 1906.....		437	1906
1907.....		467	1907
fungous, forest trees.....		208	1900
fruits in transit.....		387	1905
grain smuts, cause and prevention.....		19	1894
grapes.....		281	1902
leaf, ornamental trees.....		463	1907

	Extract.	Year-book.	Page.
Diseases, orchard, fighting.....	340	1904	175-176
pear, cause and prevention of blight.....	50, 57	1895	295-300
Plant, in the United States, progress in treatment.....	189	1899	191-199
1904, <i>paper</i>	367	1904	581-586
1905, <i>paper</i>	409	1905	602-611
1906, <i>paper</i>	437	1906	499-508
1907, <i>paper</i>	467	1907	577-589
nature and causes.....	336	1904	125-128
plants, ornamental, in 1906.....	437	1906	507-508
1907.....	467	1907	589
tobacco, resistant strains.....	358	1904	450-451
trees, due to parasites.....	463	1907	488-492
unfavorable surroundings.....	463	1907	484-488
forest, nut, and shade, in 1906.....	437	1906	507
1907.....	467	1907	587-589
ornamental, <i>paper</i>	463	1907	483-494
and shade.....	82	1896	237-254
prevention and treatment.....	463	1907	492-494
vegetables and field crops, in 1906.....	437	1906	502-505
1907.....	467	1907	581-585
Distribution, congressional, of vegetable and flower seeds.....	384	1905	305-306
geographic, of animals and plants in North America.....	9	1894	203-214
improved varieties of plants.....	446	1907	235
Diversified farming in the cotton belt, <i>paper</i>	377	1905	193-218
Division of Agrostology.....	90	1897	160-175
Botany.....	97	1897	90-99
Vegetable Physiology and Pathology.....	123	1897	99-111
Dock, yellow, growing in United States.....	401	1905	536
Doctor apple, history and description.....	356	1904	400-402
DODGE, CHARLES RICHARDS:			
Paper entitled "Facts concerning ramie".....	22	1894	443-460
" Hemp culture".....	38	1895	215-222
" Office of Fiber Investigations".....	108	1897	224-235
" The present status of flax culture in the United States".....	109	1897	471-486
Downing grape, history and description.....	229	1901	388-389
Drug-plant cultivation, progress, <i>paper</i>	401	1905	533-540
plants. <i>See</i> Plants, drug.			
Drugs, crude, growing in United States, <i>paper</i>	401	1905	533-540
utilization of weeds.....	401	1905	535-536
imported, cultivation in United States.....	401	1905	536-540
Durum wheat. <i>See</i> Wheat, durum, and Wheat, macaroni.			

E

EARLE, FRANKLIN SUMNER, paper entitled "Development of the trucking interests".....	217	1900	437-452
Early Wheeler peach, history and description.....	429	1906	360-361
Eden pineapple, history and description.....	383	1905	287-288
Edible and poisonous fungi, some.....	125	1897	453-470
Effect of inbreeding in plants, <i>paper</i>	389	1905	377-392
Eggs, opportunities for production for market.....	340	1904	185-186
Egypt, alkali lands, reclamation.....	291	1902	579-588
climate.....	291	1902	573-574
crops grown.....	291	1902	577-579
used in reclamation of alkali lands, <i>paper</i>	291	1902	573-588

	Year.	Extract.	book.	Page.
Egypt, irrigation.....	291	1902	574-576	
soils.....	291	1902	576-577	
Electricity, fixation of nitrogen from atmosphere.....	411	1906	136	
Elm, American, for home place.....	284	1902	511	
Ensee apple, history and description.....	450	1907	305-307	
Environment, influence in the origination of plant varieties.....	83	1896	89-106	
Eulalia loquat, history and description.....	399	1905	503-504	
EVANS, WALTER HARRISON, paper entitled "The agricultural outlook of the coast of Alaska".....	106	1897	553-576	
Everbearing peach, history and description.....	399	1905	498-500	
Everglade lime, history and description.....	383	1905	280-281	
Experimental Gardens and Grounds.....	113	1897	180-204	
Experiments, agricultural, in Alaska.....	142	1898	515-524	
Explorations, foreign, for valuable seeds and plants.....	384	1905	297-299	

F

Factor in growth of plants, water.....	6	1894	165-176
Facts concerning ramie.....	22	1894	443-460
FARLOW, WILLIAM GILSON, paper entitled "Some edible and poisonous fungi".....	125	1897	453-470
Farm and dairy, succulent forage suitable.....	190	1899	613-626
conditions and methods, benefits of study.....	278	1902	345-346
dairy, in a middle latitude, system of feeding.....	456	1907	394-395
model, <i>paper</i>	323	1903	363-370
rotations.....	456	1907	386-388
successful.....	278	1902	359-360
hog, system of feeding.....	456	1907	395-398
horse, in Virginia, system of feeding.....	456	1907	389-392
live-stock.....	278	1902	354-359
rotation of crops.....	278	1902	355-357
management, distribution of systems.....	278	1902	349-353
live-stock.....	278	1902	357-359
systems.....	278	1902	343-364
types.....	278	1902	346-349
work of investigator.....	278	1902	344-345
model, <i>paper</i>	323	1903	363-370
dairy, cows and their feed.....	323	1903	365-366
crops grown and management.....	323	1903	366-368
curing hay.....	323	1903	369
handling of manure.....	323	1903	368-369
hands employed and methods of work.....	323	1903	365
products sold.....	323	1903	364-365
systematic management.....	323	1903	364
northern dairy, system of feeding.....	456	1907	392-393
sheep, successful.....	278	1902	360-363
Farmer, American, problems.....	340	1904	161-163
and horticulturist, training necessary.....	336	1904	131-132
individual, fitness for vocation necessary.....	340	1904	163-164
Farmers' cooperative demonstration work.....	363	1904	503-507
Farming, business methods necessary to success.....	340	1904	181-182
diversified, in the cotton belt, <i>paper</i>	377	1905	193-218
general, <i>paper</i>	340	1904	181-190
relation of sugar beets, <i>paper</i>	320	1903	399-410
grain and hay.....	278	1902	347-348

		Year- book.	Page.
Farming, live-stock.....		278	1902
nonhumus		278	1902
range land.....		419	1906
truck, in the Atlantic Coast States, <i>paper</i>		459	1907
variety of crops grown.....		459	1907
Farms, cooperative demonstration.....		363	1904
diversification.....		363	1904
stock, cropping systems, <i>paper</i>		456	1907
for special types.....		456	1907
typical.....		278	1902
Feed for cows on model dairy farm.....		323	1903
live stock, grape pomace.....		354	1904
macaroni wheat.....		326	1903
quantities needed daily for each animal on northern			
dairy farm.....		456	1907
winter, for live stock on western ranges.....		419	1906
Feeding, cattle, utilization of residues from beet-sugar manufacture.....		137	1898
chrysanthemums.....		290	1902
plants too much, results.....		225	1901
roses.....		290	1902
sheep, factor in potato growing.....		349	1904
system on dairy farm in a middle latitude.....		456	1907
Virginia horse farm.....		456	1907
systems on farms.....		456	1907
value of corn stover.....		76	1896
violets.....		290	1902
Ferments, soil, important in agriculture.....		35	1895
Fertility of soil, relation of humus.....		35	1895
Fertilization of peach orchards, <i>paper</i>		293	1902
soil as affecting the orange in health and disease.....		8	1894
Fertilizers and crop rotation for corn.....		310	1903
chemical, for peach orchards.....		293	1902
commercial, composition.....		290	1902
for hemp.....		254	1901
lemon groves.....		453	1907
lettuce.....		290	1902
special crops, <i>paper</i>		290	1902
tomatoes.....		290	1902
vineyards.....		281	1902
mineral phosphates.....		7	1894
Fescue, meadow, seeds		238	1901
Fiber Investigations, Office.....		108	1897
manila, description, production, and use.....		321	1903
plants, diseases in 1904.....		367	1904
1905.....		409	1905
1906.....		437	1906
1907.....		467	1907
See also Flax, Hemp, Istle, Jute, and Ramie.			
Fibers, plant, classification.....		321	1903
hard, description, production, and use.....		321	1903
principal commercial, <i>paper</i>		321	1903
production and importation.....		321	1903
soft, description, production, and use.....		321	1903

	Year-	Extract.	book.	Page.
Fig, Smyrna, culture in the United States.....	196	1900		79-106
Flax culture in the United States, present status.....	109	1897		471-486
description, production, and use.....	321	1903	390-392	
New Zealand, description, production, and use.....	321	1903	396-397	
seeds.....	238	1901	251	
Florida, two freezes in 1894-95, and what they teach.....	55	1895		159-174
Flour from macaroni wheat	326	1903	334-335	
Flower seeds, congressional distribution	384	1905	305-306	
Flowering plants, dahlia, new summer-blooming, development.....	441	1907	144-145	
lilies, new, development.....	441	1907	143-144	
Flowers, growing under glass	340	1904	167-169	
<i>See also</i> Carnations, Chrysanthemums, Dahlias, Lilies, Roses, etc.				
FLOYD, MARCUS LAWSON, paper entitled "The world's exhibit of leaf tobacco at the Paris Exposition of 1900"	211	1900		157-166
and MILTON WHITNEY, paper entitled "Growth of the tobacco industry".....	188	1899		429-440
Food, effect on chrysanthemums.....	290	1902	564-566	
for plants, chlorin.....	225	1901	166	
nitrogen.....	225	1901	167-168	
potassium.....	225	1901	162-165	
quantity.....	225	1901	171-172	
reserve.....	225	1901	175-176	
whence obtained.....	336	1904	122-125	
roses	290	1902	556-559	
violets	290	1902	560	
Forage conditions of the prairie regions.....	59	1895		309-324
crops, diseases in 1904.....	367	1904	585-586	
1905	409	1905	609-610	
1906	437	1906	506	
1907	467	1907	586	
improvement	441	1907	145-148	
in cotton-growing region	363	1904	505	
industrial progress and improvement	264	1902	227-228	
introduction and distribution	384	1905	302-303	
leguminous	92	1897	487-508	
plants for cultivation on alkali soils.....	129	1898	535-550	
seeds.....	238	1901	236-243	
<i>See also</i> Cowpeas.				
succulent, for the farm and dairy.....	190	1899		613-626
Forest trees, diseases in 1905.....	409	1905		610
1906.....	437	1906	507	
1907.....	467	1907	587-589	
fungous diseases.....	208	1900		199-210
Foxglove, cultivation in United States.....	401	1905		539
Freezes and frosts as affecting cultivated plants.....	48, 55	1895		143-158
two, in Florida in 1894-95 and what they teach.....	55	1895		159-174
Frosts and freezes as affecting cultivated plants.....	48, 55	1895		143-158
protection of lemon trees.....	453	1907		353-354
Frotscher pecan, history and description.....	356	1904		408-409
Fruit, American lemon industry, <i>paper</i>	453	1907		343-360
and vegetable garden combined.....	246	1901		443-445
apple, cold storage, <i>paper</i>	317	1903		225-238
avocado as a promising crop.....	394	1905		439-444
ceriman as a promising crop.....	394	1905		450-451
conditions in refrigerator cars.....	387	1905		356-357

	Extract	Year- book.	Page.
Fruit, cooling in cars from cold-storage plant.....	387	1905	359
with fan.....	387	1905	359-360
cold-storage houses before transportation.....	387	1905	358
time required.....	387	1905	360
culture, changed conditions.....	246	1901	433
fig, Smyrna, culture in the United States.....	196	1900	79-106
for shipment, advantages of cooling.....	387	1905	360-361
reduction of temperature, methods.....	387	1905	357-360
garden, home, <i>paper</i>	246	1901	431-446
grape culture in California, present condition.....	147	1898	551-562
some uses, <i>paper</i>	354	1904	363-380
growers, amateur, influence upon communities.....	246	1901	432-433
successful, requirements.....	340	1904	169-170
growing, <i>paper</i>	340	1904	169-181
adapted to small farms.....	340	1904	170-172
cost of establishing an orchard.....	340	1904	179-181
influence of cold storage on standard.....	317	1903	237-238
intensive.....	340	1904	170-177
opportunities.....	340	1904	177-179
localities suitable.....	340	1904	177-179
preparation of land.....	340	1904	173-174
subtropical, new opportunities, <i>paper</i>	394	1905	439-454
thorough cultivation necessary.....	340	1904	174
guava as a promising crop.....	394	1905	451-454
handling for transportation, <i>paper</i>	387	1905	349-362
methods.....	387	1905	354-355
improvement in transportation facilities needed.....	387	1905	357
in transit, careless handling.....	387	1905	352
contact injuries.....	387	1905	352
fungous diseases cause of losses.....	387	1905	351-352
losses, causes.....	387	1905	351-352
industry and substitution of domestic for foreign-grown fruits.....	116	1897	305-344
California.....	387	1905	349-350
influence of refrigeration.....	222	1900	561-580
recent growth.....	387	1905	349-350
injuries, mechanical.....	387	1905	353-354
interests, relation of home garden.....	246	1901	431-432
keeping quality, factors.....	387	1905	355-356
mango as a promising crop.....	394	1905	448-449
markets, glutted, some causes.....	317	1903	227-228
new citrus and pineapple productions of Department of Agriculture, <i>paper</i>	383	1905	275-290
creations of Department of Agriculture, <i>paper</i>	343	1904	221-240
productions of the Department of Agriculture, <i>paper</i>	383	1905	275-290
plants combined in gardens.....	246	1901	441-443
sapodilla as a promising crop.....	394	1905	448-449
shipment, hazardous nature.....	387	1905	350-351
small, culture for market.....	47	1895	283-294
storer, relation of warehouseman.....	317	1903	229
sugar-apple as a promising crop.....	394	1905	450
trees, bearing, top-working.....	266	1902	255-257
budding.....	266	1902	253-254
care of young orchard.....	266	1902	254-255
dwarfing.....	246	1901	439-441

	Year- Extract. book.	Page.
Fruit trees, grafting.....	246	1901 439-441
	266	1902 251-253
hastening fruitfulness.....	266	1902 249
insect injuries.....	266	1902 248-249
perpetuating desirable characteristics.....	266	1902 249-250
protection.....	246	1901 438-439
self-rooted.....	266	1902 248-249
top-worked, bearing age.....	266	1902 250
modification of vigor.....	266	1902 247-248
working.....	266	1902 245-258
	303	1903 267-268
young, top-working.....	266	1902 250-255
varieties for gardens, lists.....	246	1901 445-446
little-known, considered worthy of wider dissemination, <i>paper</i>	229	1901 381-392
<i>See also</i> Apple, Date, Grape, Lemon, Orange, Peach, Pear, Pineapple, etc.; <i>also</i> Diseases.)		
Fruits, American and eastern Asian, relationship.....	21	1894 437-452
citrus, citranges.....	343	1904 227-235
hardy, production.....	343	1904 223-227
methods of propagating.....	85	1896 471-488
new creations, <i>paper</i>	343	1904 221-240
loose-skinned tangelos.....	343	1904 235-237
tangerine oranges.....	343	1904 238-240
tangelos, uses.....	343	1904 237
commercial apple orcharding, <i>paper</i>	230	1901 593-608
diseases in 1904.....	367	1904 582-584
1905.....	409	1905 603-606
1906.....	437	1906 499-502
1907.....	467	1907 577-581
grapes, production.....	281	1902 407-420
some uses, <i>paper</i>	354	1904 363-380
home garden, <i>paper</i>	246	1901 441-446
kinds desirable for orchards.....	340	1904 172
little-known varieties worthy of dissemination, <i>paper</i> ...	229	1901 381-392
native, improvement.....	77	1896 297-304
new citrus and pineapple productions of the Department		
of Agriculture, <i>paper</i>	427	1906 329-346
creations of the Department of Agriculture,		
<i>paper</i>	343	1904 221-240
distribution	384	1905 296
fruit productions of the Department of Agriculture,		
<i>paper</i>	383	1905 275-290
picking and marketing.....	340	1904 177
pomaceous, pollination.....	157	1898 167-180
pome, diseases in 1905.....	409	1905 603-604
1906.....	437	1906 499-500
1907.....	467	1907 577-579
promising new, <i>paper</i>	283	1902 469-480
	330	1903 267-278
	356	1904 399-416
	399	1905 495-510
	429	1906 355-370
	450	1907 305-320

		Year-	Extract.	book.	Page.
Fruits, small, diseases in 1905.....	409	1905	605-606		
1906.....	437	1906	501-502		
1907.....	467	1907	580-581		
stone, diseases in 1905.....	409	1905	604-605		
1906.....	437	1906	500-501		
1907.....	467	1907	579-580		
surplus, utilizing.....	146	1898	309-316		
testing new varieties.....	330	1903	267-268		
tropical, diseases in 1905.....	409	1905	606		
1906.....	437	1906	502		
1907.....	467	1907	581		
Fumes and smoke, causes of diseases of trees.....	463	1907	487-488		
Function of potash in agriculture.....	71	1896	107-136		
Fungous diseases of forest trees.....	208	1900	199-210		
Fungus, oyster, cause of diseases of trees.....	463	1907	491		

G

Gale pineapple, origin and description.....	383	1905	290
GALLOWAY, BEVERLY THOMAS:			
Paper entitled "Division of Vegetable Physiology and Pathology".....	123	1897	99-111
"Freezes and frosts as affecting cultivated plants".....	48,55	1895	143-158
"Growing crops under glass".....	340	1904	161-169
"Industrial progress in plant work".....	264	1902	219-230
"Progress in some of the new work of the Bureau of Plant Industry".....	441	1907	139-148
"Progress in the treatment of plant diseases in the United States".....	189	1899	191-199
"Progress of commercial growing of plants under glass".....	191	1899	575-590
"The health of plants in greenhouses".....	36	1895	247-256
"Work of the Bureau of Plant Industry in meeting the ravages of the boll weevil and some diseases of cotton".....	363	1904	497-508
GALLOWAY, BEVERLY THOMAS, and ALBERT FRED WOODS:			
Paper entitled "Diseases of shade and ornamental trees".....	82	1896	237-254
"Water as a factor in the growth of plants".....	6	1894	165-176
Garden and greenhouse irrigation.....	36	1895	233-246
home fruit, <i>paper</i>	246	1901	431-446
Gardens and grounds experimental.....	113	1897	180-204
date palm.....	384	1905	299
grass.....	54,59	1895	301-308
testing, for plant introductions.....	384	1905	298-299
Gas poisoning, cause of diseases of trees.....	463	1907	485-486
General farming, <i>paper</i>	340	1904	181-190
Geographic distribution of animals and plants in North America.....	9	1894	203-214
GEORGESON, CHARLES CHRISTIAN , paper entitled "Agricultural experiments in Alaska".....	142	1898	515-524
Georgia pecan, history and description.....	429	1906	369
Glass, crops under, development.....	441	1907	139-143
opportunities in growing, <i>paper</i>	340	1904	161-190
plants under, commercial growing, progress.....	191	1899	575-590
Goats, Angora, production in cotton belt.....	377	1905	211
Golden plum, history and description.....	399	1905	500-501
Goldenseal, cultivation.....	325	1903	338
growing in United States.....	401	1904	534

	Year- book.	Page.
	Extract.	
Grafting and pruning grapevines.....	281	1902 411
materials.....	266	1902 257-258
orchard trees.....	266	1902 245-258
stock.....	266	1902 250-251
Grain for forage on western ranges.....	419	1906 234
smuts, cause and prevention.....	19	1894 409-420
Grains, diseases in 1907.....	467	1907 585-586
seed distribution.....	384	1905 296
Grape, Banner, history and description.....	429	1906 361-362
butter, how to make.....	354	1904 376
crop, value of wastes.....	354	1904 379-380
culture.....	281	1902 409-411
California, present condition.....	147	1898 551-562
extent	354	1904 367-375
Downing, history and description.....	229	1901 388-389
growing in graperies and in pots.....	354	1904 367
now in infancy.....	354	1904 366-367
Headlight, history and description.....	330	1903 276-277
industry.....	354	1904 367-375
future.....	281	1902 419-420
history.....	281	1902 407-409
jelly, how to make.....	354	1904 376
juice, unfermented, manufacture.....	354	1904 375
junket, how to make.....	354	1904 377
leather, how to make.....	354	1904 376
marmalade, how to make.....	354	1904 376
Millennial, history and description.....	356	1904 403-404
pickles, how to make.....	354	1904 376
pie, how to make.....	354	1904 377
raisin, and wine production, <i>paper</i>	281	1902 407-420
sirup, manufacture.....	354	1904 374-375
trifle, how to make.....	354	1904 376
vineyards, California, extent	281	1902 417
manures and fertilizers	281	1902 410
planting, plowing, and cultivating.....	281	1902 410-411
soil, location, and site.....	281	1902 409
Grapes, by-products, utilization.....	354	1904 377-380
canned, how to make.....	354	1904 375-376
cost of growing and returns.....	281	1902 412
cultivation, history, and uses.....	354	1904 363-365
disease-resistant, etc.....	336	1904 127
insects and diseases.....	281	1902 411
picking, marketing, and storing.....	281	1902 411-412
prices obtained.....	281	1902 418-419
pruning and training.....	87	1896 499-542
seeds, products.....	354	1904 378-379
skins, products.....	354	1904 378-379
spiced, how to make.....	354	1904 376
strawberries, and currants combined, cultivation.....	246	1901 440-443
table, growing, industry.....	354	1904 375
use in making cream of tartar.....	354	1904 379
of pomace as a feed and fertilizer	354	1904 378

		Year-	Extract.	book.	Page.
Grapes, varieties to plant.....		281	1902		410
wash, or piquette, how to make.....		354	1904		378
Grapevine and its fruit, some uses, <i>paper</i>		354	1904	363-380	
Grapevines, age.....		354	1904		365
large.....		354	1904	365-366	
number in various States.....		354	1904		368
pruning and grafting.....		281	1902		411
Grass gardens.....		54,59	1895	301-308	
orchard, seeds.....		238	1901		245
seed and its impurities.....		136	1898	473-494	
timothy, in the prairie region.....		60	1896		147-154
Grasses and forage crops, improvement.....		441	1907	145-148	
grass-like forage plants, seeds.....		238	1901	243-249	
as sand and soil binders.....		20	1894		421-436
fancy, seeds.....		238	1901		249
for emergency planting.....		284	1902	516-517	
hardy perennial, for home place.....		284	1902	514-515	
industrial progress and improvement of crops.....		264	1902	227-228	
of salt marshes.....		53,59	1895	325-332	
sand-binding.....		127	1898		405-420
<i>See also</i> Lawns.					
Grazing, abuse of ranges by overstocking.....		419	1906	228-229	
premature, on western ranges.....		419	1906		233
Greeley, Colo., extent of potato area and markets.....		349	1904	311-312	
potato culture, <i>paper</i>		349	1904	311-322	
Greenhouse and garden, irrigation.....		36	1895		233-246
Greenhouses, construction, cost, etc.....		340	1904	167-168	
health of plants.....		36	1895		247-256
Greensward, maintenance.....		284	1902		518
Groves, lemon, cost of maintenance.....		453	1907	356-357	
culture.....		453	1907		351-352
fertilizers.....		453	1907		352
insect and fungous enemies.....		453	1907		354-356
Growing commercial plants under glass, progress.....		191	1899		575-590
crops under glass, opportunities, <i>paper</i>		340	1904	161-169	
cut flowers under glass.....		340	1904		167-168
fruit, <i>paper</i>		340	1904		169-181
long-staple Upland cottons, <i>paper</i>		314	1903	121-136	
plants under glass as a specialty.....		340	1904		169
commercial, progress.....		191	1899		575-590
selling, and testing seed.....		184	1899		549-574
vegetables, opportunities for developing trade.....		340	1904	186-187	
under glass.....		340	1904		165-166
Growth of plants, effect of nitrogen.....		225	1901	168-171	
soil conditions.....		225	1901		157-159
function of phosphoric acid.....		225	1901		166-167
influence of magnesium and lime.....		225	1901		161-162
soil foods necessary.....		225	1901		160-161
water as a factor.....		225	1901		172-173
tobacco industry.....		188	1899		429-440
Guatemala, cotton culture, <i>paper</i>		361	1904	475-488	
among the Indians.....		361	1904		478-480
antiquity.....		361	1904		477
commercial, failure.....		361	1904		478
Indian agriculture.....		361	1904	480-483	

	Extract.	Year- book.	Page.
Guava as a promising fruit crop.....	394	1905	451-454
jelly and other conserves.....	394	1905	452-453
propagation.....	394	1905	453-454
Gulf Coast region, agricultural possibilities.....	377	1905	200
H			
Hairy vetch, seeds.....	238	1901	242
Handling fruit for transportation, <i>paper</i>	387	1905	349-362
HARTLEY, CHARLES PINCKNEY:			
Paper entitled "Improvement of corn by seed selection".....	287	1902	539-552
"The cultivation of corn".....	310	1903	175-192
Harvesting hemp.....	254	1901	547-548
sugar beets.....	422	1906	276-277
Hay, curing on model dairy farm.....	323	1903	369
in middle latitudes, lack of annual crop.....	456	1907	388-389
industrial progress and improvement of crop.....	264	1902	227-228
on western ranges.....	419	1906	234
Hazlewood Cuban tobacco, history and description.....	431	1906	392-393
Headlight grape, history and description.....	330	1903	276-277
Health and disease of orange as affected by fertilization of soil.....	8	1894	193-202
conditions in Tropics.....	242	1901	349-350
of plants in greenhouses.....	36	1895	247-256
Heart-rot of trees.....	463	1907	491
false-tinder fungus, cause.....	463	1907	491
Hemp, breaking.....	254	1901	550-552
culture.....	38	1895	215-222
description, production, and use.....	321	1903	392-393
drying and stacking.....	254	1901	548-549
fertilizers.....	254	1901	544-545
harvesting.....	254	1901	547-548
industry in United States, <i>paper</i>	254	1901	541-554
manila, description, production, and use.....	321	1903	394-395
in Philippine Islands.....	242	1901	360
market.....	254	1901	552-553
New Zealand, description, production, and use.....	321	1903	396-397
preparation of land.....	254	1901	544-547
regions of cultivation.....	254	1901	542
retting.....	254	1901	549-550
seeds.....	238	1901	250-251
and varieties.....	254	1901	553-554
sisal.....	242	1901	364
soils.....	254	1901	543-544
uses, principal.....	254	1901	541-542
Henbane, experiments in cultivation.....	325	1903	345-346
HICKS, GILBERT HENRY:			
Paper entitled "Grass seed and its impurities".....	136	1898	473-494
"Oil-producing seeds".....	33	1895	185-204
"Pure-seed investigation".....	18	1894	389-408
HICKS, GILBERT HENRY, and JOHN CHARLES DABNEY, paper entitled "The superior value of large, heavy seed".....	69	1896	305-322
SOTHORON KEY, paper entitled "Additional notes on seed testing".....	98	1897	441-452
Hiley apple, history and description.....	330	1903	271-272
HILGARD, EUGENE WOLDEMAR, paper entitled "Origin, value, and reclamation of alkali lands".....	35	1895	103-122

	Extract.	Year-book.	Page.
Hog farm, system of feeding.....	456	1907	395-398
farming in cotton belt.....	377	1905	210-211
Hogs in Southern States, opportunities for raising.....	340	1904	189
on live-stock farm.....	278	1902	358
Hollis pecan, history and description.....	399	1905	505-506
HOLMES, GEORGE KIRBY, paper entitled "Progress of agriculture in the United States".....	179	1899	307-334
Home adornment, plants as factor, <i>paper</i>	284	1902	501-518
fruit garden, <i>paper</i>	246	1901	431-446
advantages and pleasures.....	246	1901	433-434
cultivation.....	246	1901	434-439
planting.....	246	1901	436-437
protection.....	246	1901	438-439
pruning.....	246	1901	437-438
soil.....	246	1901	435-436
lots in cities, planting plans.....	284	1902	505
on farms, planting plans.....	284	1902	504
place, arrangement of shrubs and trees.....	284	1902	506-510
decorative plants.....	284	1902	510-517
greensward.....	284	1902	505-506
planting.....	284	1902	502-503
plan.....	284	1902	503-504
walks and drives.....	284	1902	504-505
Horse farm in Virginia, system of feeding.....	456	1907	389-392
Horses and mules, production in cotton belt.....	377	1905	211
improvement on western ranges.....	419	1906	237
in Southern States, opportunities for raising.....	340	1904	189
on live-stock farm.....	278	1902	358-359
Horticulturist, training necessary.....	336	1904	131-132
Houses, propagating, for plant introductions.....	384	1905	298-299
HOWARD, LELAND OSSIAN:			
Paper entitled "Smyrna fig culture in the United States".....	196	1900	79-106
"The use of steam apparatus for spraying"	73	1896	69-88
Humus, decay of organic matter.....	411	1906	126-130
in its relation to soil fertility.....	35	1895	131-142
HUSMANN, GEORGE, paper entitled "The present condition of grape culture in California"	147	1898	551-562
HUSMANN, GEORGE CHARLES [FREDERICK]:			
Paper entitled "Grape, raisin, and wine production in the United States"	281	1902	407-420
"Some uses of the grapevine and its fruit"	354	1904	363-380
Hybridization of cotton, improving lint of early varieties.....	363	1904	500
tobacco.....	431	1906	399-400
Hybrids and their utilization in plant breeding.....	124	1897	383-420
clovers, development.....	441	1907	146-147
pineapple, originated by Department of Agriculture.....	383	1905	281-280

I

Imports, crude drug plants.....	325	1903	339-342
lemons.....	453	1907	345-346
Improvement in wheat culture.....	86	1896	489-498
of corn by seed selection, <i>paper</i>	287	1902	539-552
cotton by seed selection, <i>paper</i>	279	1902	365-386

	Extract	Year-book	Page.
Improvement of our native fruits	77	1896	297-304
plants by selection	159	1898	355-376
tobacco by breeding and selection, <i>paper</i>	358	1904	435-452
western ranges	419	1906	227-233
Impurities, grass seed	136	1898	473-494
Inbreeding in plants, effect, <i>paper</i>	389	1905	377-392
meaning	389	1905	377
of animals, improvement	389	1905	379-381
Indians, Guatemalan, cotton culture	361	1904	478-480
Kekchi, cotton culture	361	1904	475-488
Industrial progress in plant work, <i>paper</i>	264	1902	219-230
Industry, fruit, and substitution of domestic for foreign-grown fruits	116	1897	305-344
influence of refrigeration	222	1900	561-580
pineapple, in United States	55	1895	269-282
tobacco, growth	188	1899	429-440
Influence of environment on the origination of plant varieties	83	1896	89-106
refrigeration on the fruit industry	222	1900	561-580
Ingram apple, history and description	229	1901	382-383
Inoculation of soil with nitrogen-gathering bacteria	277	1902	339-341
pure cultures	411	1906	135
<i>See also</i> Bacilli, Bacteria, Legumes, and Nitrogen.			
Insects and diseases of grapes	281	1902	411
injuries to fruit trees	266	1902	248-249
Introduction, plant, commercial	203	1900	131-144
Investigation, pure-seed	18	1894	389-408
Irrigation, factor of success in potato culture	349	1904	312-313
for the garden and greenhouse	36	1895	233-246
potatoes	349	1904	317-322
sugar beets	320	1903	405-406
western ranges	419	1906	234-235
Islands, tropical, of United States, agriculture, <i>paper</i>	242	1901	349-368
Istle, description, production, and use	321	1903	397-398

J

Jelly, grape, how to make	354	1904	376
guava, and other conserves	394	1905	452-453
Jensen pineapple, history and description	427	1906	343-344
Jewett pecan, history and description	356	1904	409-410
Jimson weed, growing in United States	401	1905	535-536
Johnson grass, seeds	238	1901	248-249
Jordan almond, history and description	283	1902	479-480
Josephine persimmon, history and description	429	1906	362-363
Junket, grape, how to make	354	1904	377
Jupiter pineapple, history and description	427	1906	342-343
Jute, description, production, and use	321	1903	393-394

K

Kafir corn, introduction into America, cost	384	1905	293
KEARNEY, THOMAS HENRY, and THOMAS HENRY MEANS, paper entitled "Crops used in the reclamation of alkali lands in Egypt"	291	1902	573-588
Kekchi cotton in Guatemala, <i>paper</i>	361	1904	475-488
Indians, agriculture	361	1904	480-483

	Year-	Extract.	book.	Page.
Kelep, insect eating cotton boll weevil.....	361	1904	476	
	361	1904	483-485	
	363	1904	502	
introduction into United States.....	361	1904	484-485	
Kentucky and Texas bluegrass, crosses.....	441	1907	145-146	
bluegrass, seeds.....	238	1901	245-246	
KEY, SOTHORON, and GILBERT HENRY HICKS, paper entitled "Additional notes on seed testing".....	98	1897	441-452	
Kincaid pecan, history and description.....	450	1907	318-319	
King cotton, new early types.....	363	1904	499	
orange, history and description.....	450	1907	311-313	

L

Labor in sugar-beet production, cost, sources, etc.....	422	1906	269-278	
Lambert cherry, history and description.....	450	1907	307-309	
Land, area needed for stock business.....	419	1906	235	
poor, no obstacle to intensive fruit growing.....	340	1904	172	
quality necessary for profitable corn growing.....	310	1903	177-178	
Lands, agricultural, of South Atlantic coast.....	377	1905	198-200	
alkali, origin, value, and reclamation	35	1895	103-122	
Landscape gardening for home place	284	1902	502-506	
Lawn for home place.....	284	1902	505-506	
maintenance	284	1902	518	
Lawns and lawn making.....	91	1897	355-372	
Leather, grape, how to make.....	354	1904	376	
Leaves of trees, diseases.....	463	1907	494	
Lees of wine, uses.....	354	1904	379	
Legislation regarding range lands, attitude of stockmen.....	419	1906	227	
Legumes, bacteria and nitrogen problem, <i>paper</i>	277	1902	333-342	
cowpeas, development of new varieties.....	441	1907	147-148	
<i>See also</i> Bacilli, Bacteria, Inoculation, and Nitrogen.				
Leguminous forage crops.....	92	1897	487-508	
Lemon groves, cost of maintenance.....	453	1907	356-357	
culture.....	453	1907	351-352	
fertilizing.....	453	1907	352	
insect and fungous enemies.....	453	1907	354-356	
industry, American, location and extent.....	453	1907	344-345	
progress	453	1907	343-344	
status, <i>paper</i>	453	1907	343-360	
trees, protection against frost.....	453	1907	353-354	
pruning.....	453	1907	352-353	
Lemons, California, marketing.....	453	1907	349-350	
shipments.....	453	1907	346-347	
care in handling in packing houses.....	453	1907	360	
coloring.....	453	1907	358	
curing and storing.....	453	1907	358-359	
distribution of shipments from California throughout				
year.....	453	1907	347-348	
throughout country.....	453	1907	348-349	
essentials in curing.....	453	1907	360	
handling in packing house.....	453	1907	357-359	
of crop.....	453	1907	357-360	

		Year-	Extract.	book.	Page.
Lemons, imports into the United States.....	453	1907	345-346		
keeping quality.....	453	1907	350-351		
picking.....	453	1907	357		
temperature and humidity in storage house and out of doors, California.....	453	1907	359-360		
washing.....	453	1907	358		
Lettuce, fertilizers.....	290	1902	569-570		
for truck farming.....	459	1907	427-428		
growing under glass.....	340	1904	165-166		
soil.....	290	1902	569		
Lettuces, new, for growing under glass, development.....	441	1907	139-141		
Licorice, cultivation in United States.....	401	1905	538		
experiments in cultivation.....	325	1903	343-344		
Lily culture, improvement.....	441	1907	143-144		
Lime, Everglade, origin and description.....	383	1905	280-281		
in the soil, function.....	225	1901	162		
influence on plant growth.....	225	1901	161-162		
Palmetto, origin and description.....	383	1905	280		
Limes, new, produced by Department of Agriculture.....	383	1905	279-281		
Linden trees for home place.....	284	1902	512		
LINDSEY, JOSEPH BRIDGES, paper entitled "The feeding value of corn stover".....	776	1896	353-360		
Lint, early varieties of cotton, improvement by hybridization.....	363	1904	500		
Liquid manures for chrysanthemums.....	290	1902	563-564		
Lister used for planting corn.....	310	1903	186-187		
Little-known fruit varieties considered worthy of wider dissemination, <i>paper</i>	229	1901	381-392		
Live-stock farm, rotation and management.....	278	1902	354-359		
farming.....	278	1902	347		
See also Stock, live.					
LODEMAN, ERNEST GUSTAVUS, paper entitled "Pruning and training of grapes".....	87	1896	499-542		
Long-staple Upland cottons, growing.....	314	1903	121-136		
Loquat, Advance, history and description.....	229	1901	391-392		
Eulalia, history and description.....	399	1905	503-504		
Louisiana, diversified farming.....	377	1905	207-212		

M

Macaroni manufacture.....	326	1903	334-335		
wheat, <i>paper</i>	326	1903	329-336		
See also Wheat, durum, and Wheat, macaroni.					
Machinery in potato cultivation.....	349	1904	314		
McIntosh apple, history and description.....	229	1901	283-285		
McKENNEY, RANDOLPH EVANS BENDER, and ALBERT FRED WOODS, paper entitled "Fertilizers for special crops".....	290	1902	553-572		
Magnate apple, history and description.....	429	1906	355-357		
Magnesium, influence on plant growth.....	225	1901	161-162		
Mammoth clover, seed.....	238	1901	239		
Management of ranges, <i>paper</i>	419	1906	225-238		
Mango as a promising fruit crop.....	394	1905	444-448		
for the Philippines and Porto Rico.....	242	1901	359		
marketing.....	394	1905	448		
Mulgoba, history and description.....	229	1901	389-391		
propagation.....	394	1905	445-447		

	Year- Extract. book.	Page
Mango, Sandersha, history and description.....	450	1907 314-315
varieties.....	394	1905 447-448
Manila hemp. <i>See</i> Hemp, manila.		
Mantura pecan, history and description.....	450	1907 319-320
Manures, barnyard, composition.....	290	1902 571-572
for lettuce	290	1902 569-570
special crops, <i>paper</i>	290	1902 553-572
tomatoes.....	290	1902 566-569
vineyards.....	281	1902 410
handling on model dairy farm.....	323	1903 368-369
stable, for peach orchards.....	293	1902 623-624
<i>See also</i> Fertilizers.		
Maple trees for home place.....	284	1902 511
Markets for apples, influence of cold storage in extension.....	317	1903 236-237
cotton.....	314	1903 135-136
tropical crops.....	242	1901 352-353
Marmalade, grape, how to make.....	354	1904 376
Marshes, salt, grasses.....	53, 59	1895 325-332
Matthams pineapple, history and description.....	383	1905 289-290
Mauritius fiber or hemp, description, production, and use.....	321	1903 397
Meadow fescue, seeds.....	238	1901 244-245
MEANS, THOMAS HENRY, and THOMAS HENRY KEARNEY, paper entitled "Crops used in the reclamation of alkali lands in Egypt".....	291	1902 573-588
MERRIAM, CLINTON HART, paper entitled "The geographic distribution of animals and plants in North America".....	9	1894 203-214
METCALF, HAVEN, paper entitled "Diseases of ornamental trees".....	463	1907 482-494
Methods of propagating the orange and other citrus fruits.....	85	1896 471-488
reducing the cost of producing beet sugar, <i>paper</i>	422	1906 265-278
Miami pineapple, origin and description.....	383	1905 285-286
Migration of weeds.....	70	1896 263-286
Milk production and sale on model farm.....	323	1903 364-365
opportunities.....	340	1904 182-184
Millennial grape, history and description.....	356	1904 403-404
Miller persimmon, history and description.....	450	1907 309-310
Millets.....	128	1898 267-290
seeds.....	238	1901 247
Mineral phosphates as fertilizers.....	7	1894 177-192
Mississippi and Alabama, diversified farming, <i>paper</i>	377	1905 201-207
Model farm. <i>paper</i>	323	1903 363-370
Moneymaker pecan, history and description.....	399	1905 506
MOORE, GEORGE THOMAS:		
Paper entitled "Bacteria and the nitrogen problem".....	277	1902 333-342
"The contamination of public water supplies by algae".....	262	1902 175-186
Morton citrange, history and description.....	383	1905 276-278
Mountains, South Atlantic coast, agricultural possibilities.....	377	1905 198
Movement and retention of water in soils.....	152	1898 390-404
Mules in Southern States, opportunities for raising.....	340	1904 189
Mulgoba mango, history and description.....	229	1901 389-391
Mushroom growing, houses.....	340	1904 166

N

	Year- book.	Page.
	223	1900

Native pasture plants.....			581-590
New citrus and pineapple productions of the Department of Agriculture, <i>paper</i>	427	1906	329-346
creations of the Department of Agriculture, <i>paper</i>	343	1904	221-240
fruit productions of the Department of Agriculture, <i>paper</i>	383	1905	275-290
opportunities in subtropical fruit growing, <i>paper</i>	394	1905	439-454
tobacco varieties, <i>paper</i>	431	1906	387-404
Zealand. <i>See</i> Flax and Hemp.			
Nitrogen as a constituent of plant food.....	225	1901	167-168
directly available content of soils.....	411	1906	125-126
effect on growth of plants.....	225	1901	168-171
fixation.....	336	1904	123-125
by soil bacteria.....	411	1906	130-132
from atmosphere by electricity.....	411	1906	136
gain by certain organisms.....	411	1906	131
how gained.....	277	1902	335-336
lost.....	277	1902	333-335
problem and bacteria, <i>paper</i>	277	1902	333-342
present status, <i>paper</i>	411	1906	125-136
root-nodule bacteria.....	411	1906	130-135

See also Bacilli, Bacteria, Inoculation, and Legumes.

North America, geographic distribution of animals and plants.....	9	1894	203-214
Notes, additional, on seed testing.....	98	1897	441-452
Nut trees, diseases in 1904.....	367	1904	586
1905.....	409	1905	610
1906.....	437	1906	507
1907.....	467	1907	587-589
Nutrition of plants, assimilation of carbon.....	225	1901	174-175
relation to health of plants, <i>paper</i>	225	1901	155-176
Nuts, pecans, histories and descriptions.....	356	1904	405-416
399	1905	504-508	
429	1906	365-370	
450	1907	315-320	

O

Oak trees for home place.....	284	1902	511
Oat plant, analysis.....	225	1901	157
Oats and wheat on live-stock farm.....	278	1902	356
Excelsior White Schonen, introduction into America, cost.....	384	1905	294
industrial progress and improvement of crop.....	264	1902	225
seeds.....	238	1901	236
Swedish Select, introduction into America, cost.....	384	1905	294
Office of Fiber Investigations.....	108	1897	224-235
Oil-producing seeds.....	33	1895	185-204
Olive culture in the United States.....	84	1896	371-390
not adapted to Porto Rico and the Philippines.....	242	1901	360
Oliver Red apple, history and description.....	429	1906	357-358
Onions for truck farming.....	459	1907	432-433
Opium, experiments in production.....	325	1903	344-345
Opportunities in agriculture, <i>paper</i>	340	1904	161-190
new, in subtropical fruit growing, <i>paper</i>	394	1905	439-454

	Extract.	Year-book.	Page.
Orange and other citrus fruits, methods of propagating.....	85	1896	471-488
growing in Porto Rico.....	242	1901	360
in health and disease, fertilization of soil as affecting.....	8	1894	193-202
King, history and description.....	450	1907	311-313
new loose-skinned Thornton, history and description.....	427	1906	336-337
tangerine.....	343	1904	238-240
Washington Navel, introduction into America, cost.....	384	1905	294
Orchard, cost of establishing.....	340	1904	179-181
diseases, fighting.....	340	1904	175-176
grass, seeds.....	238	1901	245
trees, top-working, <i>paper</i>	266	1902	245-258
young, care.....	266	1902	254-255
Orcharding, commercial apple, <i>paper</i>	230	1901	593-608
Orchards, avocado, extent.....	394	1905	444
cover crops and green-manure crops.....	340	1904	174-175
fertilizing.....	340	1904	175
lemon, culture.....	453	1907	351-352
opportunities in establishing.....	340	1904	177-179
peach, contour system of planting.....	293	1902	610-611
cultivation.....	293	1902	612-621
and fertilization, <i>paper</i>	293	1902	607-626
of young trees.....	293	1902	613-615
distances for planting.....	293	1902	609
fertilization.....	293	1902	621-623
in bearing, cultivation.....	293	1902	619-621
methods of planting in different sections.....	293	1902	611-612
planting on old peach land.....	293	1902	608-609
rectangular system of planting.....	293	1902	609-610
preparation of land.....	293	1902	607-608
pruning and thinning.....	340	1904	176
thorough cultivation necessary.....	340	1904	174
preparation of land necessary.....	340	1904	173-174
trees desirable.....	340	1904	172
Organic matter, decay.....	411	1906	126-130
Origin, value, and reclamation of alkali lands.....	35	1895	103-122
Origination of new varieties of crop plants.....	446	1907	229-230
plant varieties, influence of environment.....	83	1896	89-106
Orlando pineapple, history and description.....	427	1906	344-345
Ornamental plants, diseases in 1907.....	467	1907	589
trees, diseases, <i>paper</i>	463	1907	482-494
ORTON, WILLIAM ALLEN:			
Paper entitled "Plant diseases in 1904".....	367	1904	581-586
"Plant diseases in 1905".....	409	1905	602-611
"Plant diseases in 1906".....	437	1906	499-508
ORTON, WILLIAM ALLEN, and ADELINE AMES, paper entitled			
"Plant diseases in 1907".....	467	1907	577-589
Our native pasture plants.....	223	1900	581-598
Outlook, agricultural, of the coast of Alaska.....	106	1897	553-576
Overfeeding plants, results.....	225	1901	171-172
Oxygen, injuries to plants from lack.....	225	1901	159-160
	P		
Pabst pecan, history and description.....	356	1904	410
Palm, date, and its culture.....	218	1900	453-490

	Extract.	Year-book.	Page.
Palmetto lime, history and description.....	383	1907	280
Paprika peppers, cultivation in United States.....	401	1905	539
Parasites, causes of diseases of trees.....	463	1907	488-492
Paris Exposition of 1900, world's exhibit of leaf tobacco.....	211	1900	157-166
Pasture plants, our native.....	223	1900	581-598
Pastures on western ranges, alternation.....	419	1906	230
<i>See also</i> Range management and Ranges.			
Pathology and Physiology, Vegetable, Division.....	123	1897	99-111
work.....	158	1898	261-266
Peach, Belle, history and description.....	283	1902	475-476
Carman, history and description.....	229	1901	385-386
Early Wheeler, history and description.....	429	1906	360-361
Everbearing, history and description.....	399	1905	498-500
orchards, cover crops.....	293	1902	615-619
cultivation and fertilization, <i>paper</i>	293	1902	607-626
fertilizers, chemical.....	293	1902	624-626
manure, stable.....	293	1902	623-624
trees in bearing, top-working.....	266	1902	256-257
Welch, history and description.....	330	1903	272-274
Willett, history and description.....	283	1902	476-477
Pear, alligator. <i>See</i> Avocado.			
blight, cause and prevention.....	50, 57	1895	295-300
Crocker, history and description.....	399	1905	497-498
culture, commercial.....	215	1900	369-396
Philopena, history and description.....	283	1902	474-475
Rossney, history and description.....	356	1904	402-403
Peas, Canada field, seeds.....	238	1901	242
Canadian field.....	59	1895	223-232
for truck farming.....	459	1907	434
Pecan, Alley, history and description.....	429	1906	366-367
Centennial, history and description.....	356	1904	407-408
Curtis, history and description.....	429	1906	368
Delmas, history and description.....	429	1906	369-370
Frotscher, history and description.....	356	1904	408-409
Georgia, history and description.....	429	1906	369
Hollis, history and description.....	399	1905	505-506
Jewett, history and description.....	356	1904	409-410
Kincaid, history and description.....	450	1907	318-319
Mantura, history and description.....	450	1907	319-320
Moneymaker, history and description.....	399	1905	506
Pabst, history and description.....	356	1904	410
Post, history and description.....	356	1904	411
President, history and description.....	450	1907	316
Rome, history and description.....	356	1904	411-412
Russell, history and description.....	356	1904	412-413
San Saba, history and description.....	356	1904	413-414
Schley, history and description.....	399	1905	507
Sovereign, history and description.....	450	1907	317-318
Stuart, history and description.....	356	1904	414-415
Success, history and description.....	399	1905	507-508
Teche, history and description.....	429	1906	367-368
Van Deman, history and description.....	356	1904	415-416

	Year- Extract.	book.	Page.
Pecan varieties, histories and descriptions	356	1904	405-416
	399	1905	504-508
	429	1906	365-370
	450	1907	315-320
Wolford, history and description	450	1907	315-316
Young, history and description	399	1905	508
Pennsylvania, tobacco soil.....	27	1894	143-155
Peppers, paprika, cultivation in United States.....	401	1905	539
red, cultivation in United States.....	401	1905	539-540
Perfection currant, history and description.....	356	1904	404
Perfume plants grown in Porto Rico and the Philippines.....	242	1901	361-362
Perfumery farming, can it succeed in the United States?.....	135	1898	377-398
Peridermium on pine trees.....	463	1907	491
Perry apple, history and description.....	330	1903	270-271
Persimmon, Delmas, history and description.....	356	1904	404-405
Josephine, history and description.....	429	1906	362-363
Miller, history and description.....	450	1907	309-310
Ruby, history and description.....	450	1907	310-311
Philippine Islands, crops suitable.....	242	1901	349-368
Philopena pear.....	283	1902	474-475
Phosphates, mineral, as fertilizers.....	7	1894	177-192
Phosphoric acid, function in plant growth.....	225	1901	166-167
Physiology and Pathology, Vegetable, Division.....	123	1897	99-111
work.....	158	1898	261-266
plant, development of science.....	336	1904	128-132
relation to development of agriculture, <i>paper</i>	336	1904	119-132
Pickles, grape, how to make.....	354	1904	376
Pie, grape, how to make.....	354	1904	377
Piedmont section, South Atlantic Coast, agricultural possibilities.....	377	1905	198-199
PIERCE, NEWTON BARRIS, paper entitled "Olive culture in the United States".	84	1896	371-390
PIETERS, ADRIAN JOHN:			
Paper entitled "Agricultural seeds—where grown and how handled".....	238	1901	233-256
"Seed production and seed saving".....	68	1896	207-216
"Seed selling, seed growing, and seed testing".....	184	1899	549-574
"Testing seeds at home".....	34	1895	175-184
"The business of seed and plant introduction and distribution," <i>paper</i>	384	1905	291-306
Pine, peridermium.....	463	1907	491
woods belt, South Atlantic Coast, agricultural possibilities.	377	1905	199
Pineapple and citrus productions, new, of the Department of Agriculture, <i>paper</i>	427	1906	329-346
Biscayne, history and description.....	427	1906	345-346
Coquina, history and description.....	427	1906	341-342
Dade, history and description.....	427	1906	340-341
Deliciosa, history and description.....	427	1906	338-340
Eden, history and description.....	383	1905	287-288
Gale, history and description.....	383	1905	290
hybrids, histories and descriptions.....	427	1906	337-346
industry in the United States	55	1895	269-282
Jensen, history and description.....	427	1906	343-344
Jupiter, history and description.....	427	1906	342-343
Matthams, history and description.....	383	1905	289-290

	Year-	Extract. book.	Page-
Pineapple, Miami, history and description.....	383	1905	285-286
Orlando, history and description	427	1906	343-345
promising crop in Porto Rico	242	1901	361
Seminole, history and description	383	1905	286-287
Plains and west Texas, agricultural conditions.....	377	1905	216
Plans for laying out home place.....	284	1902	502-517
planting home lot.....	284	1902	504
on city lots.....	284	1902	505
Plant and seed introduction and distribution, business, <i>paper</i>	384	1905	291-306
breeder, character, qualifications, and methods of work	446	1907	230-233
importance of expert knowledge of plants.....	446	1907	234
limits of effort.....	446	1907	233
necessity for continuous effort.....	446	1907	233-234
breeders, organized effort necessary	446	1907	235-236
breeding, <i>paper</i>	389	1905	377-392
and seed selection, <i>paper</i>	446	1907	221-236
fields for art.....	446	1907	224-230
hybrids and their utilization.....	124	1897	383-420
in the United States, progress	182	1899	465-490
new citrus and pineapple productions of the Department of Agriculture, <i>paper</i>	427	1906	329-346
creations of the Department of Agriculture, <i>paper</i>	343	1904	221-240
fruit productions of the Department of Agriculture, <i>paper</i>	383	1905	275-290
lettuces, tomatoes, lilies, grasses, etc.....	441	1907	139-148
purposes.....	446	1907	224
diseases in the United States, progress in treatment	189	1899	191-199
1904, <i>paper</i>	367	1904	581-586
1905, <i>paper</i>	409	1905	602-611
1906, <i>paper</i>	437	1906	499-508
1907, <i>paper</i>	467	1907	577-589
fibers. <i>See</i> Fibers.			
food, plant growth, and plant nutrition. <i>See</i> Feeding, Food, Foods, Growth, and Nutrition.			
Industry, Bureau, progress in some new work, <i>paper</i>	441	1907	139-148
work in meeting the ravages of the boll weevil and some diseases of cotton, <i>paper</i>	363	1904	497-508
introduction, commercial.....	203	1900	131-144
cost.....	384	1905	293-295
objects and results.....	384	1905	292-297
varieties, improvement.....	242	1901	350-351
influence of environment in origination.....	83	1896	89-106
work, industrial progress, <i>paper</i>	264	1902	219-230
Planters used for corn	310	1903	186-187
Planting, corn, distances	310	1903	187-188
methods	310	1903	184-188
emergency, for home place	284	1902	516-517
fruit trees	246	1901	436-437
potatoes	349	1904	316
Plants, aesthetic value	284	1902	501-502
and animals in North America, geographic distribution	9	1894	203-214

	Year-	Extract.	book.	Page.
Plants as a factor in home adornment	284	1902	501-518	
bedding, for emergency planting	284	1902	516-517	
breeding	336	1904	120-122	
new tobacco varieties	431	1906	387-404	
cottons, long-staple Upland, growing, <i>paper</i>	314	1903	121-136	
crossbreeding, benefits	389	1905	378	
cultivated, frosts and freezes affecting	48, 55	1895	143-158	
origin	336	1904	119-120	
decorative, for home place	284	1902	510-517	
diseases, nature and causes	336	1904	125-128	
drug, cultivation in the United States, <i>paper</i>	325	1903	337-346	
experiments in cultivation	325	1903	343-346	
growth and market	325	1903	337-339	
importation	325	1903	339-342	
progress in cultivation, <i>paper</i>	401	1905	533-540	
prospects for growing in United States	325	1903	342-343	
wild, domestication	401	1905	534-535	
effect of inbreeding, <i>paper</i>	389	1905	377-392	
feeding with manures and commercial fertilizers	290	1902	556-559	
fiber, diseases in 1904	367	1904	586	
1905	409	1905	610	
1906	437	1906	506	
1907	467	1907	586-587	
food	336	1904	122-125	
general, growing under glass	340	1904	164-165	
greenhouse, diseases in 1904	367	1904	586	
1905	409	1905	610-611	
growing under glass as a specialty	340	1904	169	
commercial progress	191	1899	575-590	
growth, water as factor	6	1894	165-176	
health in greenhouses	36	1895	247-256	
improvement by selection	159	1898	355-376	
inbreeding, degree s	389	1905	381-384	
effect on vegetative vigor and fertility	389	1905	384-386	
ornamental, diseases in 1904	367	1904	586	
1905	409	1905	610-611	
1906	437	1906	507-508	
1907	467	1907	589	
pasture, native	223	1900	581-598	
physiology, development of science	336	1904	128-132	
poisonous, of northern stock ranges	266	1900	305-324	
relation of nutrition to health, <i>paper</i>	225	1901	155-176	
seed tobacco, tests	358	1904	449-450	
some common poisonous	67	1896	137-146	
tobacco, preservation of type	431	1906	403-404	
selection in seed bed	358	1904	442	
trees, etc., pruning	145	1898	151-166	
tropical, culture and curing	242	1901	351	
under glass, opportunities in growing, <i>paper</i>	340	1904	161-169	
progress of commercial growing	191	1899	575-590	
woody, care of wounds	57	1895	257-268	
<i>See also</i> Corn, Cotton, and other crop plants.				
Plow, lateral, used in potato cultivation	349	1904	319-320	

	Year- Extract. book.	Page.
Plowing corn land in autumn.....	310 1903	183
depth.....	310 1903	183-184
Plows used for furrowing out potato fields.....	349 1904	318-319
Plum, Brittlewood, history and description.....	283 1902	477-478
Golden, history and description.....	399 1905	500-501
Pringle, history and description.....	399 1905	503
Red June, history and description.....	229 1901	386-387
Riley, history and description.....	399 1905	502
Scioto, history and description.....	399 1905	502-503
Stoddard, history and description.....	283 1902	478-479
Wickson, history and description.....	229 1901	387-388
Plums, damson, histories and descriptions.....	399 1905	501-503
Poisonous and edible fungi, some.....	125 1897	453-470
plants of northern stock ranges.....	206 1900	305-324
some common.....	67 1896	137-146
Pokeroot, growing in United States.....	401 1905	536
Pollination of corn by wind.....	287 1902	541-542
pomaceous fruits.....	157 1898	167-180
Pomace brandy, grape, how to make.....	354 1904	377
grape, uses.....	354 1904	377-378
Pomaceous fruits, pollination.....	157 1898	167-180
Poplars for home place.....	284 1902	512
Poppy, Asiatic, cultivation in United States.....	401 1905	536-537
experiments in cultivation.....	325 1903	344-345
Porto Rico, agriculture.....	151 1898	505-514
crops suitable.....	242 1901	349-368
Post pecan, history and description.....	356 1904	411
Potash and its function in agriculture.....	71 1896	107-136
Potassium as a plant food.....	225 1901	162-165
Potato area and markets, Greeley, Colo.....	349 1904	311-312
culture near Greeley, Colo., <i>paper</i>	349 1904	311-322
Potatoes, cultivation.....	349 1904	317
for truck farming.....	459 1907	429-432
irrigation.....	349 1904	317-322
and alfalfa as factors in success near Greeley, Colo.....	349 1904	312-313
machinery used and method of cutting.....	349 1904	314
methods of growing near Greeley, Colo.....	349 1904	316-318
planting.....	349 1904	316
preparation of the soil.....	349 1904	316
rotation of crops and sheep feeding factors in growing.....	349 1904	313
seed, method of cutting.....	349 1904	314
near Greeley, Colo.....	349 1904	314-315
Poultry trade, opportunities for developing.....	340 1904	185-186
POWELL, GEORGE HAROLD:		
Paper entitled "Relation of cold storage to commercial apple culture".....	317 1903	225-238
"“The handling of fruit for transportation”.....	387 1905	349-362
"“The status of the American lemon industry”.....	453 1907	343-360
"“Top-working orchard trees”.....	266 1902	245-258
Prairies, forage conditions.....	59 1895	309-324
timothy.....	60 1896	147-154

		Year-	
	Extract.	book.	Page.
Present condition of grape culture in California	147	1898	551-562
status of flax culture in the United States.....	109	1897	471-486
nitrogen problem, <i>paper</i>	411	1906	125-136
President pecan, history and description.....	450	1907	316
Prevention and cause of pear blight	50, 57	1895	295-300
Principal commercial plant fibers.....	321	1903	387-398
Principles of pruning and care of wounds in woody plants.....	57	1895	257-268
Pringle plum, history and description.....	309	1905	503
Producing beet sugar, methods of reducing the cost, <i>paper</i>	422	1906	265-278
Production, crop, relation of soils.....	5	1894	129-164
Productions, new citrus and pineapple, of the Department of			
Agriculture, <i>paper</i>	427	1906	329-346
fruit, of the Department of Agriculture, <i>paper</i>	383	1905	275-290
Profits in sugar-beet growing.....	320	1903	408-409
Progress in drug-plant cultivation, <i>paper</i>	401	1905	533-540
some of the new work of the Bureau of Plant Indus-			
try, <i>paper</i>	441	1907	139-148
treatment of plant diseases in the United States.....	189	1899	191-199
of Agriculture in the United States.....	179	1899	307-334
commercial growing of plants under glass.....	191	1899	575-590
economic and scientific agrostology	176	1899	347-366
plant breeding in the United States	182	1899	465-490
"Project," basis of work in Bureau of Plant Industry	441	1907	139
Proliferation, cotton.....	361	1904	487
Promising new fruits, <i>paper</i>	363	1904	500-502
283	1902	469-480	
330	1903	267-278	
356	1904	399-416	
399	1905	495-510	
429	1906	355-370	
450	1907	305-320	
Propagation, avocado.....	394	1905	441-443
ceriman.....	394	1905	451
guava.....	394	1905	453-454
improved varieties of plants.....	446	1907	235
mango.....	394	1905	445-447
orange and other citrus fruits, methods.....	85	1896	471-488
Protein in macaroni wheat	326	1903	331-334
Prune, Splendor, history and description	330	1903	274-275
Sugar, history and description.....	330	1903	275-276
Pruning and grafting grapevines.....	281	1902	411
thinning fruit trees.....	340	1904	176
training of grapes.....	87	1896	499-542
apple trees.....	230	1901	601-603
fruit trees	246	1901	437-438
lemon trees.....	453	1907	352-353
principles, and care of wounds in woody plants.....	57	1895	257-268
trees and other plants.....	145	1898	151-166
shrubs.....	284	1902	517-518
Public water supplies, contamination by algae, <i>paper</i>	262	1902	175-186
Puerto Rico. <i>See</i> Porto Rico.			
Pumpkin, seeds.....	238	1901	251-252
Pure seed investigation.....	18	1894	389-408
Purple coneflower. <i>See</i> Coneflower, purple.			

R

	Year- Extract. book.	Page.
Rabun apple, history and description	429	1906 359-360
Railroad transportation facilities for truck farming.....	459	1907 425-427
Rainfall, absorption by corn.....	310	1903 179-180
Raisin industry, future.....	281	1902 419-420
origin and growth.....	281	1902 413-414
production, cultural conditions.....	281	1902 414
wine, and grape production, <i>paper</i>	281	1902 407-420
Raisins, harvesting and preparing crop.....	281	1902 414-415
production.....	354	1904 375
exports and imports.....	281	1902 415-416
Ramie, facts concerning	22	1894 443-460
Randolph apple.....	283	1902 472-473
Range management, <i>paper</i>	419	1906 225-238
Ranges, stock, northern, some poisonous plants.....	206	1900 305-324
western, conservation of water.....	419	1906 232-233
improvement.....	419	1906 227-233
legislation, attitude of stockmen.....	419	1906 227
movement toward farming	419	1906 237-238
present situation.....	419	1906 225-227
probable future of live-stock industry	419	1906 238
resting overgrazed land.....	419	1906 229-230
worn-out, reseeding	419	1906 230-231
Rape, seeds.....	238	1901 251-252
Raspberries and apples combined.....	246	1901 441-443
Reasons for cultivating the soil.....	32, 35	1895 123-130
Reclamation of alkali lands in Egypt.....	291	1902 573-588
Red clover, seed.....	238	1901 238-239
Red June plum, history and description.....	229	1901 386-387
Redtop, seeds.....	238	1901 246
Reducing the cost of producing beet sugar, methods, <i>paper</i>	122	1906 265-278
Refrigeration, influence on the fruit industry	222	1900 561-580
Relation of cold storage to commercial apple culture, <i>paper</i>	317	1903 225-238
nutrition to health of plants	225	1901 155-176
plant physiology to the development of agriculture, <i>paper</i>	336	1904 119-132
soils to crop production	5	1894 129-164
sugar beets to general farming, <i>paper</i>	320	1903 399-410
Relationship between American and eastern Asian fruits	21	1894 437-442
Reservoirs, algae present.....	262	1902 177-184
contamination	262	1902 175-186
flowering plants	262	1902 177
prevention of pollution	262	1901 184-185
<i>See also</i> Algae, Copper, and Water supplies.		
Residues in beet-sugar manufacture, utilization in cattle feeding	137	1898 213-220
Rice country, South Atlantic coast, agricultural possibilities	377	1905 199-200
growing in Egypt	291	1902 582-583
Porto Rico, etc	242	1901 362
industrial progress	264	1902 226-227
Japanese Kiushu, introduction into America, cost	384	1905 293
seeds	238	1901 236
Riley plum, history and description	399	1905 502
ROLFS, PETER HENRY, paper entitled "New opportunities in subtropical fruit growing"	394	1905 439-454

	Year- Extract.	book.	Page.
Rome pecan, history and description.....	356	1904	411-412
Root-rot of trees.....	463	1907	491-492
suffocation, cause of diseases of trees.....	463	1907	485
Roses, carnations, etc., growing under glass.....	340	1904	167-168
feeding with commercial fertilizers.....	290	1902	557-559
manures.....	290	1902	556
overfeeding.....	290	1902	557
soil.....	290	1902	554-555
fertilization.....	290	1902	555-556
Rossney pear, history and description.....	356	1904	402-403
Rotation of crops defined.....	456	1907	385-386
factor in potato growing.....	349	1904	313
for corn.....	310	1903	181-183
Rotations of crops, simple and complex, examples.....	456	1907	386-388
Rubber and gutta-percha.....	242	1901	362-364
Ruby persimmon, history and description.....	450	1907	310-311
Rusk citrange, history and description.....	343	1904	228-229
Russell pecan, history and description.....	356	1904	412-413
Rust, new resistant asparagus, development.....	441	1907	141-142
Rustic citrange, history and description.....	427	1906	334-336
Rusts of cereals, treatment.....	336	1904	125-126
Rye, industrial progress.....	264	1902	225

S

Salt marshes, grasses.....	53, 59	1895	325-332
Saltbush, seeds.....	238	1901	251-252
Samar in Egypt.....	291	1902	583-585
Sampson tangelo, origin and description.....	343	1904	236-237
San Saba pecan, history and description.....	356	1904	413-414
Sand-binding grasses.....	20	1894	421-436
	127	1898	405-420
Sandersha mango, history and description.....	450	1907	314-315
Sapodilla as a promising fruit crop.....	394	1905	448-449
marketing.....	394	1905	449
varieties.....	394	1905	449
SAUNDERS, WILLIAM:			
Paper entitled "Experimental gardens and grounds".....	113	1897	180-204
"Pruning of trees and other plants".....	145	1898	151-166
Savage citrange, history and description.....	427	1906	333-334
Scald, apple.....	317	1903	232-233
sun, on fruits.....	266	1902	246-247
Schley pecan, history and description.....	399	1905	507
SCHRENK, HERMANN VON, paper entitled "Fungous diseases of forest trees" ..	208	1900	199-210
Scioto plum, history and description.....	399	1905	502-503
SCRIBNER, FRANK LAMSON:			
Paper entitled "Division of Agrostology".....	90	1897	160-175
"Grass gardens".....	54, 59	1895	301-308
"Grasses as sand and soil binders".....	20	1894	421-436
"Grasses of salt marshes".....	53, 59	1895	325-332
"Lawns and lawn making".....	91	1897	355-372
"Our native pasture plants".....	223	1900	581-598
"Progress in economic and scientific agrostology".....	176	1899	347-366
"Sand-binding grasses".....	127	1898	405-420
Seaboard, Atlantic, truck lands.....	28	1894	129-143

	Extract.	Year- book.	Page.
Seed and plant introduction and distribution, business, <i>paper</i> ..	384	1905	291-306
bed, selection of tobacco plants.....	358	1904	442
corn, advisability of buying.....	287	1902	551-552
keeping through winter.....	287	1902	550-551
time and manner of selection	287	1902	549-550
grass, and its impurities.....	136	1898	473-494
growing and distribution.....	384	1905	303
introduction, cost.....	384	1905	293-295
objects and results.....	384	1905	292-297
patch for corn improvement.....	287	1902	548-549
plants, tobacco, tests.....	358	1904	449-450
potatoes, method of cutting.....	349	1904	314
near Greeley, Colo.....	349	1904	314-315
production and seed saving	68	1896	207-216
opportunities for development of business.....	340	1904	190
pure, investigation.....	18	1894	389-408
roots, sugar-beet, growing and siloing.....	351	1904	350-351
selection and breeding, art, <i>paper</i>	446	1907	221-236
by tobacco grower on his own farm.....	358	1904	439-440
corn, <i>paper</i>	287	1902	539-552
cotton, <i>paper</i>	279	1902	365-386
care of field.....	279	1902	371
factors of success	279	1902	366-367
isolation of plants.....	279	1902	369-371
method, practical.....	279	1902	371-374
short.....	279	1902	375
methods, scientific.....	279	1902	376-379
used with Sea Island cotton.....	279	1902	374-375
various	279	1902	371-379
objects and methods.....	279	1902	371-386
plants suitable.....	314	1903	131-132
primary process.....	279	1902	367-371
transmitting power of individual.....	279	1902	369
purposes.....	446	1907	224
tobacco, <i>paper</i>	358	1904	435-452
selling, seed growing, and seed testing.....	184	1899	549-574
separator, tobacco.....	358	1904	440-442
sugar-beet, American-grown, excellence.....	351	1904	344
breeding, <i>paper</i>	351	1904	341-352
effects of soil and environment.....	351	1904	347-348
foreign-grown.....	351	1904	342-343
importance of growing at home.....	351	1904	343-344
methods for producing.....	351	1904	344-347
steps in scientific growing.....	351	1904	350
testing character.....	351	1904	348-349
work in improving.....	351	1904	351-352
superior value of large, heavy seeds.....	69	1896	305-322
testing, additional notes	98	1897	441-452
tobacco, importance of selection by grower on his own farm.	358	1904	439-440
large and heavy, value.....	358	1904	440-442
saved under bag.....	358	1904	448-449
trade, extent and importance.....	238	1902	233-234

	Year-	Extract.	book.	Page.
Seeding mountain ranges.....	419	1906		231-232
worn-out ranges.....	419	1906		230-231
Seeds, agricultural, centers of production.....	238	1901		234
classes.....	238	1901		234-255
extent and importance of trade.....	238	1902		233-234
where grown and how handled, <i>paper</i>	238	1901		233-256
alfalfa.....	238	1901		240-241
alfilaria.....	238	1901		252
beans, soy.....	238	1901		241-242
velvet.....	238	1901		242-243
beet, sugar.....	238	1901		252-255
single-germ, production.....	422	1906		275
beggarweed.....	238	1901		242-243
bluegrass, Kentucky.....	238	1901		245-246
brome-grass, beardless.....	238	1901		246-247
buckwheat.....	238	1901		236
cereals.....	238	1901		235-236
clover, alsike.....	238	1901		239
bur.....	238	1901		240
crimson.....	238	1901		240
mammoth.....	238	1901		239
red.....	238	1901		238-239
sweet.....	238	1901		240
white.....	238	1901		239
clovers and leguminous forage plants.....	238	1901		236-243
grading and sampling.....	238	1901		237
corn.....	238	1901		235-236
broom.....	238	1901		252
cotton.....	238	1901		249-250
cowpeas.....	238	1901		241-242
distribution.....	238	1901		255-256
fescue, meadow.....	238	1901		244-245
flax.....	238	1901		251
flower, congressional distribution.....	384	1905		305-306
grape, various products.....	354	1904		378-379
grass, Johnson.....	238	1901		248-249
orchard.....	238	1901		245
timothy.....	238	1901		244
grasses and grass-like forage plants.....	238	1901		243-249
unimportant and fancy.....	238	1901		249
hemp.....	238	1901		250-251
	254	1901		553-554
millets.....	238	1901		247
miscellaneous.....	238	1901		249-255
oats.....	238	1901		236
oil-producing.....	33	1895		185-204
peas, Canada field.....	238	1901		242
pumpkin.....	238	1901		251-252
rape.....	238	1901		251-252
redtop.....	238	1901		246
rice.....	238	1901		236
wild.....	238	1901		252

		Year-	Extract.	book.	Page.
Seeds, saltbush.....	238	1901	251-252		
sorghum.....	238	1901	247-248		
States where grown.....	238	1901	253-254		
teosinte.....	238	1901	248-249		
testing at home.....	34	1895	175-184		
tobacco.....	238	1901	250		
vegetable, congressional distribution.....	384	1905	305-306		
vetch, hairy.....	238	1901	242		
wheat.....	238	1901	235		
Selection and breeding, art, <i>paper</i>	446	1907	221-236		
corn, <i>paper</i>	287	1902	539-552		
cotton.....	363	1904	498-502		
tobacco, <i>paper</i>	358	1904	435-452		
improvement of plants.....	159	1898	355-376		
of cotton plants for seed bearing.....	314	1903	131-132		
seed. <i>See</i> Seed, selection.					
tobacco plants in field.....	431	1906	400-401		
seed bed.....	358	1904	442		
seed, and breeding, art, <i>paper</i>	446	1907	221-236		
purposes.....	446	1907	224		
tobacco, methods.....	358	1904	447-448		
Selections of early big-boll cottons, etc.....	363	1904	499-500		
Selling, growing, and testing seed.....	184	1899	549-574		
Semiarid districts, successful wheat growing.....	195	1900	529-542		
Seminole pineapple, origin and description.....	383	1905	286-287		
Semolina made from macaroni wheat.....	326	1903	334-335		
Seneca snakeroot. <i>See</i> Snakeroot, Seneca.					
Shade, forest, and nut trees, diseases in 1904.....	367	1904	586		
1905.....	409	1905	610		
1906.....	437	1906	507		
1907.....	467	1907	587-589		
SHAMEL, ARCHIBALD DIXON:					
Paper entitled "Improvement of tobacco by breeding and selection".....	358	1904	435-452		
"New tobacco varieties".....	431	1906	387-404		
"The art of seed selection and breeding".....	446	1907	221-236		
"The effect of inbreeding in plants".....	389	1905	377-392		
SHAW, THOMAS, paper entitled "Canadian field peas".....	59	1895	223-232		
Sheep farm, successful.....	278	1902	360-363		
feeding, factor in potato growing.....	349	1904	313		
on sheep farm.....	278	1902	363		
SHEPARD, JAMES H., paper entitled "Macaroni wheat".....	326	1903	329-336		
Shipment of fruit, hazardous nature.....	387	1905	350-351		
Shrubs and trees, diseases, <i>paper</i>	463	1907	483-494		
for home place.....	284	1902	506-510		
evergreen, for home place.....	284	1902	513-514		
for emergency planting.....	284	1902	516-517		
Silos for sugar beets.....	351	1904	350-351		
	422	1906	278		
Sisal fiber, description, production, and use.....	321	1903	395-396		
hemp, possibility of growing in Porto Rico, etc.....	242	1901	364		
Sketch of the relationship between American and eastern Asian fruits.....	21	1894	437-442		
Skins, grape, various products.....	354	1904	378-379		

	Year- Extract.	book.	Page.
Slime-flux, disease of trees.....	463	1907	489
Small-fruit culture for market.....	47	1895	283-294
SMITH, JARED GAGE:			
Paper entitled "Commercial plant introduction".....	203	1900	131-144
"Cowpeas (<i>Vigna catjang</i>)".....	61	1896	287-296
"Forage conditions of the prairie regions".....	59	1895	309-324
"Forage plants for cultivation on alkali soils".....	129	1898	535-550
"Leguminous forage crops".....	92	1897	487-508
Smoke and fumes, causes of diseases of trees.....	463	1907	487-488
Smuts, grain, cause and prevention.....	19	1894	409-420
Smyrna fig culture in the United States.....	196	1900	79-106
Snakeroot, Seneca, cultivation.....	325	1903	339
growing in United States.....	401	1905	535
SNYDER, HARRY, paper entitled "Humus in its relation to soil fertility".....	35	1895	131-142
Soil and climate, adaptation of plants.....	446	1907	224-227
conditions for tobacco.....	358	1904	437-439
bacteria, fixation of atmospheric nitrogen.....	411	1906	130-132
See also Bacilli, Bacteria, Inoculation, Legumes, and Nitrogen.			
binding grasses.....	20	1894	421-436
conditions, effect on plant growth.....	225	1901	157-159
ferments important in agriculture.....	35	1895	69-102
fertilization, as affecting the orange in health and disease.....	8	1894	193-202
for roses.....	290	1902	555-556
foods necessary to plant growth.....	225	1901	160-161
for apple trees.....	230	1901	594-595
carnations.....	290	1902	561-562
fruit trees.....	246	1901	435-436
grapevines.....	281	1902	409
lettuce.....	290	1902	569
roses.....	290	1902	554-555
sugar beets.....	320	1903	401-402
tomatoes.....	290	1902	566
violets.....	290	1902	560
function of calcium or lime.....	225	1901	162
humus in its relation to soil fertility.....	35	1895	131-142
improvement on model farm.....	323	1903	363-364
in orchards, thorough cultivation necessary.....	340	1904	174
inoculated, distribution.....	411	1906	134-135
inoculation with pure cultures.....	411	1906	135
moisture, importance of retention for corn.....	310	1903	180-181
preparation and fertilization.....	284	1902	517
for orchards.....	340	1904	173-174
peach.....	293	1902	607-608
potatoes.....	349	1904	316
sugar beets.....	320	1903	404-405
vineyards.....	281	1902	409
reasons for cultivating.....	32, 35	1895	123-130
rolling or hilly, for corn growing.....	310	1903	178-179
too poor for growing corn.....	310	1903	177-178
washing.....	377	1905	195
in corn growing, prevention.....	310	1903	178-180
Soils, alkali, forage plants for cultivation.....	129	1898	535-550
bacteria, varieties present.....	411	1906	128-130
decay of organic matter.....	411	1906	126-130

	Year- Extract. book.	Page.
Soils in their relation to crop production.....	5 1894	129-164
movement and retention of water.....	152 1898	399-404
nitrogen content directly available.....	411 1906	125-126
fixation by electricity.....	411 1906	136
of the arid region of the United States, conditions.....	29 1894	155-164
Some additions to our vegetable dietary.....	41 1895	205-214
common poisonous plants.....	67 1896	137-146
edible and poisonous fungi.....	125 1897	453-470
new work of the Bureau of Plant Industry, <i>paper</i>	441 1907	139-148
poisonous plants of the northern stock ranges.....	206 1900	305-324
uses of the grapevine and its fruit, <i>paper</i>	354 1904	363-380
Sorghum in Egypt.....	291 1902	582
introduction into America, cost.....	384 1905	293
seeds.....	238 1901	247-248
South Atlantic coast, diversified farming, <i>paper</i>	377 1905	193-200
Southern States, opportunities in cheese making and live-stock raising.....	340 1904	187-190
Sovereign pecan, history and description.....	450 1907	317-318
Soy beans, seeds.....	238 1901	241-242
SPENCER, GUILFORD LAWSON, paper entitled "Utilization of residues in beet-sugar manufacture in cattle feeding".....	137 1898	213-220
Spices, possibility of growing in Porto Rico, etc.....	242 1901	364-365
SPILLMAN, WILLIAM JASPER:		
Paper entitled "A model farm".....	323 1903	363-370
"Cropping systems for stock farms".....	456 1907	385-398
"Diversified farming on the South Atlantic coast".....	377 1905	193-200
"General farming".....	340 1904	181-190
"Systems of farm management in the United States".....	278 1901	343-364
Spirogyra in cress beds.....	262 1902	178
Splendor prune, history and description.....	330 1903	274-275
Spraying, use of steam apparatus.....	73 1896	69-88
Starvation, cause of diseases of trees.....	463 1907	484-485
States where commercial seeds are grown.....	238 1901	253-254
Status of American lemon industry, <i>paper</i>	453 1907	343-360
present, flax culture in the United States.....	109 1897	471-486
of the nitrogen problem, <i>paper</i>	411 1906	125-136
Stayman Winesap apple.....	283 1902	470-472
Steam apparatus for spraying.....	73 1896	69-88
STEELE, EDWARD STRIEBY, paper entitled "Can perfumery farmings succeed in the United States?".....	135 1898	377-398
Stock, live, farm, rotation of crops and management.....	278 1902	354-359
farming.....	278 1902	347
in Alabama and Mississippi.....	377 1905	204
cotton belt.....	377 1905	197-198
farms, cropping systems, <i>paper</i>	456 1907	385-398
for special types.....	456 1907	389-393
feeding, macaroni wheat.....	326 1903	335-336
on model dairy farm.....	323 1903	365-368
improving grade.....	419 1906	235-237
industry on western ranges, probable future.....	419 1906	238
in Southern States, opportunities for raising.....	340 1904	189-190
management.....	278 1902	357-359
production in Alabama and Mississippi.....	377 1905	204-206

		Year-	Extract.	book.	Page-
Stock, live, raising winter feed on western ranges.....		419	1906	233-235	
range management, <i>paper</i>		419	1906	225-238	
ranges, northern, poisonous plants.....		206	1900	305-324	
<i>See also</i> Range management and Ranges.					
Stockmen, attitude toward legislation regarding range lands.....		419	1906	227	
Stoddard plum, history and description.....		283	1902	478-479	
STONE, Roy, paper entitled "Agriculture in Porto Rico".....		151	1898	505-514	
Storage, apple, magnitude of business.....		317	1903	228-229	
cold, influence on apple industry.....		317	1903	235-238	
relation to commercial apple culture, <i>paper</i>		317	1903	225-238	
time to pick apples.....		317	1903	231	
warehouses, development of business		317	1903	228	
<i>See also</i> Refrigeration.					
houses, cooling fruit for transportation.....		387	1905	358	
warehouses, cold, development of business.....		317	1903	228	
Storing and curing lemons.....		453	1907	358-359	
Stover, corn, feeding value		76	1896	353-360	
Stramonium, experiments in cultivation.....		325	1903	345-346	
Strawberries and currants with grapes, cultivation.....		246	1901	440-443	
Strawberry, Cardinal, history and description		330	1903	277-278	
Stuart pecan, history and description.....		356	1904	414-415	
Substitution of domestic for foreign-grown fruits.....		116	1897	305-344	
Subtropical fruit growing, new opportunities, <i>paper</i>		394	1905	439-454	
Success pecan, history and description.....		399	1905	507-508	
Successful wheat growing in semiarid districts		195	1900	529-542	
Succulent forage for the farm and dairy		190	1899	613-626	
Suffocation, root, cause of diseases of trees.....		463	1907	485	
Sugar-apple as a fruit crop.....		394	1905	450	
beet, manufacture, utilization of residues in cattle feeding		137	1898	213-220	
methods of reducing the cost of production, <i>paper</i>		422	1906	265-278	
utilization of by-products.....		422	1906	265-266	
beets. <i>See</i> Beets, sugar.					
industry in Porto Rico, etc.....		242	1901	365-366	
prune, history and description.....		330	1903	275-276	
Sumatra tobacco, Uncle Sam variety, history and description		431	1906	389-392	
/ Sun scald on fruits.....		266	1902	246-247	
Superior value of large, heavy seed		69	1896	305-322	
Supplies, water, public, contamination by algæ, <i>paper</i>		262	1902	175-186	
Surgery for ornamental trees.....		463	1907	493-494	
Sweet clover seeds.....		238	1901	240	
SWINGLE, WALTER TENNYSON:					
Paper entitled "The date palm and its culture".....		218	1900	453-490	
" The grain smuts: Their cause and prevention".....		19	1894	409-420	
SWINGLE, WALTER TENNYSON, and HERBERT JOHN WEBBER:					
Paper entitled "Hybrids and their utilization in plant breeding"		124	1897	383-420	
"New citrus creations of the Department of					
Agriculture"		343	1904	221-240	
Sycamore trees for home place.....		284	1902	512	
Syngeneticæ in water supplies.....		262	1902	182-184	
Systems, cropping, for stock farms, <i>paper</i>		456	1907	385-398	
farm management.....		278	1902	343-364	

T	Extract.	Year- book.	Page.
TAFT, LEVI RAWSON, paper entitled "Irrigation for the garden and greenhouse".	36	1895	233-246
Tangelo, Sampson, history and description.....	343	1904	236-237
Tangelos, new loose-skinned citrus fruits.....	343	1904	235-237
uses.....	343	1904	237
Tangerine, Trimble, history and description.....	343	1904	238-239
Weshart, history and description.....	343	1904	238
Tangerines, new, descriptions.....	343	1904	238-239
general qualities.....	343	1904	239-240
TAYLOR, WILLIAM ALTON:			
Paper entitled "Little-known fruit varieties considered worthy of wider dissemination".....	229	1901	381-392
"Promising new fruits".....	283	1902	469-480
330	1903	267-278	
356	1904	399-416	
399	1905	495-510	
429	1906	355-370	
450	1907	305-320	
47	1895	283-294	
"Small fruit culture for market".....			
"The fruit industry and substitution of domestic for foreign-grown fruits".....	116	1897	305-344
"The influence of refrigeration on the fruit industry".....	222	1900	561-580
Tea growing in tropical islands.....	242	1901	366
Teacher of agriculture, training necessary.....	336	1904	129-131
Teche pecan, history and description.....	429	1906	367-368
Temperature for keeping apples.....	317	1903	230-231
Teosinte, seeds.....	238	1901	248-249
Testing commercial varieties of vegetables.....	220	1900	543-550
growing, and selling seed.....	184	1899	549-574
seed, additional notes.....	98	1897	441-452
seeds at home.....	34	1895	175-184
Tests for vegetable seed.....	384	1905	304-305
of new varieties of plants.....	384	1905	298-301
Texas and Kentucky bluegrass, crosses.....	441	1907	145-146
black waxy section, agricultural conditions.....	377	1905	215-216
diversified farming.....	377	1905	212-218
east, agricultural conditions.....	377	1905	214-215
natural agricultural divisions.....	377	1905	213-217
northeastern, diversified farming.....	377	1905	207-212
south, agricultural conditions.....	377	1905	216-217
southwest, agricultural conditions.....	377	1905	217
west, agricultural conditions.....	377	1905	216
Thornton orange, history and description.....	427	1906	336-337
Timothy and clover on live-stock farm.....	278	1902	356
in the prairie region.....	60	1896	147-154
seeds.....	238	1901	244
Tobacco, adaptation to soil and climatic conditions.....	358	1904	437-439
breeding, experiments, necessity.....	431	1906	397-399
hybridization.....	431	1906	399-400
methods.....	431	1906	399-401
selection.....	431	1906	400-401
Brewer Hybrid, history and description.....	431	1906	393-395
cigar, types and values.....	358	1904	435-437
Cooley Hybrid, history and description.....	431	1906	395-397

	Year-	Extract.	book.	Page.
Tobacco, development of disease-resistant strains	358	1904	450-451	
field tests.....	431	1906	402	
growing in Philippines and Porto Rico.....	242	1901	366	
Hazlewood Cuban, history and description.....	431	1906	392-393	
improvement by breeding and selection, <i>paper</i>	358	1904	435-452	
inbreeding, beneficial effects.....	389	1905	386-388	
industry, growth	188	1899	429-440	
laboratory tests.....	431	1906	402-403	
leaf, world's exhibit at Paris exposition of 1900.....	211	1900	157-166	
manufacturing tests.....	431	1906	403	
plants, selection in seed bed.....	358	1904	442	
preservation of type.....	431	1906	403-404	
progeny records.....	358	1904	449-451	
seed	238	1901	250	
distribution	384	1905	295-296	
saved under bag.....	358	1904	448-449	
selection by grower on his own farm, importance	358	1904	439-440	
selection, methods	358	1904	447-448	
soils of Connecticut and Pennsylvania.....	27	1894	143-155	
Uncle Sam Sumatra variety, history and description ..	431	1906	389-392	
varieties, improvement	358	1904	435-437	
improvements by crossing	358	1904	452	
new, <i>paper</i>	431	1906	387-404	
how bred.....	431	1906	387-389	
origination.....	446	1907	229-230	
testing.....	431	1906	401-403	
yield and quality, possible improvements	358	1904	442-447	
Tomatoes, compost	290	1902	566-569	
fertilizers.....	290	1902	566-569	
foods.....	290	1902	566-569	
for truck farming	459	1907	433-434	
growing under glass	340	1904	165-166	
new varieties for forcing under glass.....	441	1907	142-143	
soil.....	290	1902	566	
Top-working orchard trees, <i>paper</i>	266	1902	245-258	
stock	266	1902	250-251	
Towns and cities, weeds	134	1898	193-200	
TOWNSEND, CHARLES ORRIN:				
Paper entitled "Methods of reducing the cost of producing beet sugar"	422	1906	265-278	
"Relation of sugar beets to general farming"	320	1903	399-410	
TRACY, JONATHAN EDWARDS WOODBRIDGE, paper entitled "ugar-beet seed breeding"	351	1904	341-352	
TRACY, WILLIAM WOODBRIDGE, jr., paper entitled "Testing commercial varieties of vegetables"	220	1900	543-550	
Transportation facilities for fruit, need of improvement	387	1905	357	
truck farming	459	1907	425-427	
handling of fruit, <i>paper</i>	387	1905	349-362	
to factory of sugar beets	422	1906	277	
Trapp avocado, history and description	399	1905	508-510	
Trees and other plants, pruning	145	1898	151-166	
shrubs, evergreen, for home place	284	1902	513-514	

	Year- Extract. book.	Page.
Trees and shrubs for home place	284	1902 506-510
transplanting.....	284	1902 517-518
deciduous, for home place.....	284	1902 510-513
diseases due to drying out.....	463	1907 486
effect of cold.....	463	1907 486-487
gas poisoning.....	463	1907 485-486
parasites.....	463	1907 488-492
root suffocation.....	463	1907 485
starvation.....	463	1907 484-485
unfavorable surroundings.....	463	1907 484-488
prevention and treatment.....	463	1907 492-494
forest, diseases in 1904.....	367	1904 586
1905.....	409	1905 610
1906.....	437	1906 507
1907.....	467	1907 587-589
fungous diseases	208	1900 199-210
injuries, various causes.....	463	1907 488-489
lemon, insect and fungous enemies.....	453	1907 354-356
protection against frost.....	453	1907 353-354
pruning.....	453	1907 352-353
nut, diseases in 1904.....	367	1904 586
1905.....	409	1905 610
1906.....	437	1906 507
1907.....	467	1907 587-589
orchard, top-working, <i>paper</i>	266	1902 245-258
ornamental, diseases, <i>paper</i>	463	1907 483-494
peach, distances for planting.....	293	1902 609
preparation of land	293	1902 607-608
protection against injuries.....	463	1907 492-493
shade and ornamental, diseases	82	1896 237-254
diseases in 1904.....	367	1904 586
1905.....	409	1905 610
1906.....	437	1906 507
1907.....	467	1907 587-589
surgery.....	463	1907 493-494
Trifle, grape, how to make.....	354	1904 376
Trimble tangerine, history and description.....	343	1904 238-239
Tropics, agriculture.....	242	1901 349-368
promising crops.....	242	1901 353-368
health conditions.....	242	1901 349-350
Truck farming in Alabama and Mississippi.....	377	1905 203
Atlantic Coast States, <i>paper</i>	459	1907 425-434
cotton-growing regions.....	363	1904 505
lands of the Atlantic seaboard.....	28	1894 129-143
Trucking interests, development.....	217	1900 437-452
<i>See also</i> Vegetables.		
TRUE, RODNEY HOWARD:		
Paper entitled "Cultivation of drug plants in the United States".....	325	1903 337-346
"Progress in drug-plant cultivation".....	401	1905 533-540
Tuberclles, bacteria.....	277	1902 336-339
Tulip trees for home place.....	284	1902 512
Two hundred weeds: How to know them and how to kill them.....	52	1895 592-611

U	Extract.	Year- book.	Page.
Uncle Sam Sumatra tobacco, history and description.....	431	1906	389-392
United States, can perfumery farming succeed?.....	135	1898	377-398
olive culture.....	84	1896	371-390
pineapple industry.....	55	1895	269-282
plant diseases, progress in treatment.....	189	1899	191-199
progress in agriculture.....	179	1899	307-334
plant breeding.....	182	1899	465-490
soils of arid regions, conditions.....	29	1894	155-164
Use of steam apparatus for spraying.....	73	1896	69-88
Uses, some, of the grapevine and its fruit, <i>paper</i>	354	1904	363-380
Utilization of residues from beet-sugar manufacture in cattle feeding.....	137	1898	213-220
Utilizing surplus fruits.....	146	1898	309-316

V

Van Deman pecan, history and description.....	356	1904	415-416
Vanilla growing, possibility in Philippines and Porto Rico.....	242	1901	366-367
Varieties, cowpeas, new.....	441	1907	147-148
crop, resistant to wilt and nematodes.....	446	1907	230
improvement by seed selection and breeding, <i>paper</i>	446	1907	221-236
mangos.....	394	1905	447-448
new and improved, propagation and distribution.....	446	1907	235
fruits, caution in planting.....	383	1905	275-276
little-known, <i>paper</i>	229	1901	381-392
promising, <i>paper</i>	283	1902	469-480
330	1903	267-278	
356	1904	399-416	
399	1905	495-510	
429	1906	355-370	
450	1907	305-320	
origination.....	446	1907	229-230
pineapples.....	383	1905	281-290
plants, introduction and distribution, <i>paper</i>	384	1905	291-306
testing and distribution.....	384	1905	299-301
tobacco, <i>paper</i>	431	1906	387-404
tests.....	431	1906	401-403
tomatoes, development.....	441	1907	142-143
plant, importance to growers of proper choice.....	242	1901	350-351
influence of environment in origination.....	83	1896	89-106
uniform, production.....	446	1907	227-229
vegetables, testing.....	220	1900	543-550
Variety tests, cotton.....	363	1904	498-499
Vegetable and fruit garden combined, cultivation.....	246	1901	443-445
crops, diseases in 1904.....	367	1904	584-585
1905.....	409	1905	606-608
1906.....	437	1906	502-505
1907.....	467	1907	581-585
dietary, some additions.....	41	1895	205-214
growing, opportunities.....	340	1904	186-187
under glass.....	340	1904	165-166
Physiology and Pathology, Division.....	123	1897	99-111
work.....	158	1898	261-266
seeds, congressional distribution.....	384	1905	305-306
Vegetables, commercial varieties, testing.....	220	1900	543-550
for truck farming.....	459	1907	427-434
potato culture near Greeley, Colo., <i>paper</i>	349	1904	311-322

	Year-	Extract.	book.	Page.
Vegetables, testing gardens	384	1905	304-305	
tropical, in Porto Rico, etc.....	242	1901	367-368	
<i>See also</i> Trucking.				
Velvet bean, seeds.....	238	1901	242-243	
Vetch, hairy, in peach orchards.....	293	1902	616	
seeds.....	238	1901	242	
Vinegar, wine, kinds and uses.....	354	1904	374	
Vines for home place.....	284	1902	515-516	
Vineyard, cost and returns from an acre.....	281	1902	412	
Vineyards, California, extent.....	281	1902	417	
soil, location, and site	281	1902	409	
Violets, carnations, etc., growing under glass.....	340	1904	167-168	
fertilizers and soil.....	290	1902	560	
Virginia Beauty apple, history and description.....	399	1905	495-496	
horse farm, system of feeding.....	456	1907	389-392	

W

WAITE, MERTON BENWAY:

Paper entitled "Cause and prevention of pear blight".....	50, 57	1895	295-300
"Commercial pear culture".....	215	1900	369-396
"Cultivation and fertilization of peach orchards".....	293	1902	607-626
"fruit growing".....	336	1904	169-181
"Pollination of pomaceous fruits".....	157	1898	167-180
Walks and drives for home place.....	284	1902	504-505
masking.....	284	1902	509-510

WARBURTON, CLYDE WILLIAM, paper entitled "Diversified farming in Texas"	377	1905	212-218
Warehouseman, relation to fruit storer.....	317	1903	229
Washing lemons.....	453	1907	358
Washington, mountain ranges, seeding.....	419	1906	231-232
Water as a factor in growth of plants.....	6	1894	165-176
conservation on western ranges.....	419	1906	232-233
in soils, movement and retention.....	152	1898	399-404
methods of applying in potato cultivation	349	1904	318-322
supplies, public, contamination by algae, <i>paper</i>	262	1902	175-186

See also Algae, Copper, and Reservoirs.

WEBBER, HERBERT JOHN:

Paper entitled "Fertilization of the soil as affecting the orange in health and disease".....	8	1894	193-202
"Growing of long-staple Upland cottons".....	314	1903	121-136
"Improvement of cotton by seed selection".....	279	1902	365-386
"Improvement of plants by selection"	159	1898	355-376
"Influence of environment in the origination of plant varieties".....	83	1896	89-106
"Methods of propagating the orange and other citrus fruits".....	85	1896	471-488
"New citrus and pineapple productions of the Department of Agriculture"	427	1906	329-346
"New fruit productions of the Department of Agriculture"	383	1905	275-290
"The pineapple industry in the United States".....	55	1895	269-282
"The two freezes of 1894-95 in Florida, and what they teach".....	55	1895	159-174
WEBBER, HERBERT JOHN, and ERNST ATHEARN BESSEY, paper entitled "Progress in plant breeding in the United States"	182	1899	465-490

		Year-	Extract.	book.	Page.
WEBBER, HERBERT JOHN, and WALTER TENNYSON SWINGLE:					
Paper entitled "Hybrids and their utilization in plant breeding".....	124	1897			383-420
"New citrus creations of the Department of Agriculture"	343	1904			221-240
Weed, jimson, growing in United States.....	401	1905			535-536
Weeds, destruction in sugar-beet fields.....	422	1906			277-278
in cities and towns.....	134	1898			193-200
hemp fields.....	254	1901			546-547
migration.....	70	1896			263-286
two hundred, how to know them and how to kill them.....	52	1895			592-611
utilization as crude drugs	401	1905			535-536
Welch peach, history and description.....	330	1903			272-274
Weshart tangerine, history and description.....	343	1904			238
Wheat and oats on live-stock farm.....	278	1902			356
culture, improvement	86	1896			489-498
durum, introduction into America	384	1905			293
Fultz, introduction into America, cost	384	1905			294
growing, successful, in semiarid districts	195	1900			529-542
industrial progress	264	1902			221-225
macaroni, <i>paper</i>	326	1903			329-336
classes.....	326	1903			331
increase in production.....	326	1903			330
introduction by Department of Agriculture.....	326	1903			329-330
methods of cultivation.....	326	1903			330-331
protein content.....	326	1903			331-334
uses.....	326	1903			335-336
rusts	336	1904			125-126
seeds	238	1901			235
Wheeler, Early, peach, history and description.....	429	1906			360-361
White clover, seed.....	238	1901			239
WHITNEY, MILTON:					
Paper entitled "Reasons for cultivating the soil"	32, 35	1895			123-130
"Soils in their relation to crop production"	5	1894			129-164
WHITNEY, MILTON, and MARCUS LAWSON FLOYD, paper entitled "Growth of the tobacco industry"	188	1899			429-440
Wickson plum, history and description.....	229	1901			387-388
Wild rice, seeds.....	238	1901			252
WILEY, HARVEY WASHINGTON:					
Paper entitled "Mineral phosphates as fertilizers"	7	1894			177-192
"Potash and its function in agriculture"	71	1896			107-136
"Soil ferment important in agriculture"	35	1895			69-102
Willett peach, history and description.....	283	1902			476-477
WILLIAMS, THOMAS ALBERT:					
Paper entitled "Millets"	128	1898			267-290
"Succulent forage for the farm and dairy"	190	1899			613-626
"Timothy in the prairie region"	60	1896			147-154
Willits citrange, history and description.....	343	1904			229-231
Willow trees for home place.....	284	1902			512
Wine, brandy, and champagne manufacture.....	281	1902			416-417
grape, and raisin production, <i>paper</i>	281	1902			407-420
industry, future.....	281	1902			419-420
lees, uses.....	354	1904			379
production.....	354	1904			370-374
Winesap apple, Stayman, history and description.....	283	1902			470-472
Wolford pecan, history and description.....	450	1907			315-316

	Year- Extract. book.	Page.
WOODS, ALBERT FRED:		
Paper entitled "Principles of pruning and care of wounds in woody plants"	57 1890	257-268
"Relation of plant physiology to the development of agriculture".....	336 1904	119-132
"The present status of the nitrogen problem"...	411 1906	125-136
"The relation of nutrition to the health of plants"	225 1901	155-176
"Work in vegetable physiology and pathology"	158 1898	261-266
WOODS, ALBERT FRED, and BEVERLY THOMAS GALLOWAY, paper entitled "Water as a factor in the growth of plants".....	6 1894	165-176
WOODS, ALBERT FRED, and RANDOLPH EVANS BENDER McKENNEY, paper entitled "Fertilizers for special crops"	290 1902	553-572
Work in vegetable physiology and pathology.....	158 1898	261-266
new, of Bureau of Plant Industry, progress, <i>paper</i>	441 1907	139-148
of the Bureau of Plant Industry in meeting the ravages of the boll weevil and some diseases of cotton, <i>paper</i>	363 1904	497-508
World's exhibit of leaf tobacco at the Paris exposition of 1900.....	211 1900	157-166
Wormseed, American, growing in United States.....	401 1905	535
Wounds in woody plants, care.....	57 1895	257-268

Y

Yellow dock. <i>See</i> Dock, yellow.		
wood trees for home place.....	284 1902	513
Young pecan, history and description.....	399 1905	508

Approved:

JAMES WILSON,
Secretary of Agriculture.

WASHINGTON, D. C., September 26, 1908.

[Cir. 17.]

O

